Oil, Paint and Drug Reporter

THE MARKET AUTHORITY SINCE 1871

CHEMICALS ~ DYESTUFFS ~ DRUGS ~ PAINTS ~ OILS ~ FERTILIZERS

Volume 131 JANUARY 4, 1937 Number 1

RECEIVED JAN 4 1937

LIBRARY

METHANOL

Cliffs Dow

Acetic Acid
Activated Carbon
Charcoal
Creosote Oils
Ferrous Acetate (Iron Liquor)
Hardwood Pitch
Hardwood Tar
Methyl Acetone
Propionic Acid

DEVOTED TO THE EXCLUSIVE PRODUCTION OF WOOD CHEMICALS AND ALLIED PRODUCTS

CLIFFS DOW CHEMICAL COMPANY
MARQUETTE, MICHIGAN

WAREHOUSES

New York, Cleveland, Buffalo, Detroit, Chicago, Baltimore, Cincinnati, St. Louis, Philadelphia, Louisville, Kansas City, Pittsburgh, Minneapolis

BARIUM HYDRATE

BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

QUININE

Sulphate and Minor Salts

CINCHONINE CINCHONIDINE QUINIDINE
and their Salts

"MAARSSEN" BRAND

"AMSTERDAM" BRAND

• • •

CAFFEINE ALKALOID

"SANKA" BRAND

• • •

DISTRIBUTED BY

R. W. GREEFF & CO., Inc.

10 EAST 40th STREET NEW YORK CITY

WM. S. GRAY & CO.

342 MADISON AVENUE
NEW YORK CITY

Sodium Silico Fluoride

WAREHOUSE STOCKS

☆ SURFEX ☆

MULTI-PURPOSE PAINT INGREDIENT

Interior Enamels and Gloss Whites

Surfex gives greater fullness, with uniformly high lustre, at high pigment content. In most formulations in this group the use of Surfex achieves a saving of from 5 cents to 20 cents per gallon without sacrifice of any desirable quantity.

•

PURE CALCIUM PRODUCTS DIVISION
Diamond Alkali Company
BOX 407 - PAINESVILLE, OHIO

(National Distributor)
THE R. T. VANDERBILT CO.
230 Park Avenue, New York City

(Metropolitan New York Distributor)
D. H. LITTER CO.
500 Fifth Avenue, New York City

PEERLESS CLAY

For the PAINT INDUSTRY

R. T. VANDERBILT CO., Inc.

230 PARK AVENUE :: NEW YORK CITY

20 MULE TEAM

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York

CHICAGO LOS ANGELES

WHITE-LEAD
-Lasts!

INCREASE the white-lead content of your paints and you increase their lasting properties. For "white-lead" and "long life" are synonymous terms.

- Also—the more white-lead the better the paint in ease of spread and coverage.

The white-lead pigments of National Lead Company are the choice of leading manufacturers because the quality and uniformity of these pigments never vary from the highest standards... In addition to the white-lead pigments listed below, National Lead Company is also a dependable source of supply for lead oxides—red-lead, litharge and orange mineral.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Co., 800 Albany Street, Boston; National Lead & Oil Co. of Pa., 316 4th Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Phila.

DRY WHITE-LEAD
(Dutch or Carter process)

H. T. S.
(High Tinting Strength)
WHITE-LEAD

BASIC LEAD SULPHATE

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 131 JANUARY 4, 1937 Number 1

RECEIVED JAN 4 1937 LIBRARY

Narcotics Trade Records Issued

Opium Board Reports Progress Although Some Nations Furnish No Data

WASHINGTON, Dec. 30, 1936.

Progress in the statistical control of the world trade in narcotics is reported by the Permanent Central Opium Board in submitting a summary of 1935 statistics to the Council of the League of Nations, according to a draft of the report received in Washington.

The board reported that sixty nations are now parties to the 1931 convention, and only nine are not parties; but expressed regret that, although it is three years since the convention went into force, there are still a number of parties which are not making returns to the board. Specifically mentioned are Cuba, Dominican Republic, Nicaragua, and Bolivia, while several others have submitted incomplete statistics.

Summarizing the 1935 statistics, the board stated that in only a few cases do imports, consumption, and conversion exceed estimates for the year, but there are several cases where stocks on hand are higher than had been anticipated. The main objects of the limitation convention continue to be attained, it was reported, although a number of the non-manufacturing and non-exporting countries are neglecting to furnish annual statistics on consumption and stocks. The board commented that this leaves it with no way to ascertain if narcotics are escaping into illicit traffic in these countries and that the countries themselves cannot be warned statistically that there is a leakage and they may be the center of illicit traffic without suspecting it.

Throughout the report the board referred to discrepancies in statistics which it has taken up with the nations concerned and in many instances has received explanations, indicating that its system of statistical estimates and reports is proving valuable in affording a check on international movements of narcotic drugs.

Records compiled for 1935 and 1934

(Continued on page 36B)

Copeland Will Enter Drug Bill First Day

When the new Congress reaches the business of receiving bills, Senator Royal S. Copeland of New York will introduce a bill to revise the Federal food and drugs act. This may be on the first day of the session, or may be deferred by the business of getting organized until the second day.

It is understood that Senator Copeland's new bill will, through the courtesy of his colleagues, bear the designation S.5, by which his bill that was successful in the seventy-fourth Congress was known.

The new Copeland food, drugs, and cosmetics bill will not be fundamentally different from the Senate-passing form of S.5 of the preceding Congress. Much work has been done on details in preparing the draft. With the particular purpose of assuring a maximum of effectiveness with administrative practicability and all the definiteness of requirements that is possible in the circumstances of adequate protection for the public.

Matches Production in 1935

Production of matches in the United States during the year 1935 totaled 368,562,305,000, with a value of $30,414,172, according to a preliminary report of the Bureau of the Census compiled from the returns of the biennial census of manufactures taken this year. This compared with an output valued at $25,635,234 in 1933 and $20,351,025 in 1929.

Business Leaders Review 1936 Forecast 1937 Trade Trends

Lammot du Pont, *President, E. I. du Pont de Nemours & Co.:—*

Judging by those branches with which the du Pont Company is identified, progress during 1936 in the chemical and allied industries was highly satisfactory.

All of the company's principal lines showed increased activity in 1936, these lines being finishes; coated fabrics; pigments; dyestuffs and other organic chemicals; rayon; cellulose film; photographic film; commercial explosives; plastics; acids, ammonia, and other "heavy" chemicals; and sporting arms and ammunition. As in the previous ten years or more, sales of military explosives amounted to less than one percent of the company's aggregate sales.

At the yearend, the total number of employees of the company and its wholly owned subsidiaries was approximately 48,000, which compares with 35,000 employees at the end of 1929. A large part of this increase of 37 percent in employment over that of the "boom" year 1929 is directly attributable to new products and improved products, developed through an unremitting program of chemical and engineering research. Simultaneous with this increased employment, the average prices of du Pont products have been lowered; hourly rates of pay have been substantially increased; and a satisfactory rate of return has been realized on the invested capital.

As to 1937, it can only be said that the immediate outlook is favorable.

Glenn Haskell, *First Vice-President, U. S. Industrial Alcohol Company:—*

The year 1936, which was the thirtieth anniversary of the founding of USI, has been an unsatisfactory one from the standpoint of price weakness occasioned by bitter competitive conditions that existed during the mid-year; however, the steady increase in the paint, varnish, and lacquer trades resulted in such an improved demand over the last three months that conditions have strengthened and we look forward to 1937 with optimism.

The continued agitation for the use of power alcohol and the interest in that project on the part of the Chemical Foundation, emphasizes the possibility of development of a tremendous new market for industrial alcohol.

New Jersey Zinc Company:—

The year 1936 has seen the stimulus of three outstanding trends in the field of zinc pigments for paints. All three presage a considerably greater use of zinc pigments in 1937 than in the year just passed.

First, zinc pigments have been developed which help paint films to dissipate the stresses and strains which occur in severe paint weathering, and which affect ultimate durability. Paint manufacturers are emphasizing durability characteristics of house paints more than heretofore.

Second, new zinc pigments have been offered which impart to interior paints an unusual ease of brushing along with other desirable properties. These "thixotropic" zinc pigments are pleasing painters with a new simplification of their work.

Third, another year of laboratory, field, and service testing of metallic zinc powder as a metal-protective paint pigment has added greatly to evidence demonstrating the superior rust-inhibiting properties of the pigment. It is interesting also that metallic zinc powder seems effective in a variety of climatic conditions and that it has been found suitable for use with a variety of vehicles.

Such developments as noted above have served to even further extend the diversified range of zinc sulphide pigments, zinc oxide, and metallic zinc available to the paint manufacturer for meeting his peculiar and specific requirements.

Eli Winkler, *Executive Vice-President, Columbia Alkali Corporation:—*

Outside of the labor disturbances, this year showed a healthy improvement in our business and we look for 1937 to equal 1936, with the possibility of a further reasonable increase in volume.

H. J. Baker & Bro.:—

The year 1936 has been characterized by an increase in the volume of business done by us, and with respect to most of the commodities handled by us, prices have been firm, and in some cases, have enjoyed a considerable advance. Generally speaking, the improvement in business which seems to be rather general in other lines has affected us in the same manner, and we are looking forward to continued improvement in 1937.

H. G. Mackelcan, *Vice-President, Innis Speiden & Co.:—*

The year 1936 was a remarkable one for the heavy chemical industry, in that many changes took place in the production of new products, increased production and consumption, and in leveling off in the price structure of several basic commodities.

Prior to the World War the United States was dependent upon foreign sources for most of its heavy chemical raw material and finished products, but in the past two decades she has gradually become independent through the development of raw material sources within the United States, and the subsequent production of finished products from these raw materials. Notable among these are the potash salts, and principally muriate of potash, now available in abundant quantity in California and New Mexico, where, in addition to the fertilizer grade, a very high chemical grade is produced in a plentiful measure, and finished products in the form of caustic potash and carbonate of potash are made in sufficient quantity to supply the consuming industries of this country, without the need for importation. Caustic potash has been produced for a number of years, but carbonate has come into its own only within the past year, and represents a great achievement on the part of American manufacturers in having developed these products to a high state of purity and in various forms best suited to the consuming industries.

Many other chemicals heretofore imported are being produced in ample volume in this country for domestic consumption with even a tonnage available for export. In many cases the quality of the product, as well as the packages in which they are shipped have been improved during the past year, and with this improvement has come an increased demand on the part of the American consumer of chemicals coupled with the general improvement in business, which has taxed the capacity of the producer, and as a consequence some scarcity has developed.

Many of these chemicals have sold at levels below that justified by manufacturing costs, but with increased interest on the part of the consumer a price structure more in line with values has been established, and with the knowledge that industry can expect higher prices in 1937 there has been a marked tendency on the part of the consumer to lay in stocks at 1936 contract and spot prices. As a consequence the closing month of the year instead of tapering off, due to a desire to de-

(Continued on page 5)

Chemical Payrolls Gain in November

Employment During Monthly Period Shows Decline of 0.8 Percent

Factory employment in the manufacture of chemicals and related products in the United States showed a slight decline between October 15 and November 15, 1936, a decrease of 0.8 percent being reported by the Bureau of Labor Statistics. At the end of the monthly period employment stood 4.1 percent above the corresponding level for November, 1935. Payroll totals increased 3.3 percent during the monthly period and stood 14.9 percent above the November, 1935, level.

The Bureau of Labor Statistics' index number for factory employment in the chemical group of industries, November 15, 1936, was 119.3 (100=1923-25 average), compared with 120.3 for October, and 114.5 for November, 1935. The bureau's index numbers (same basis) for payroll totals was 114.5 at November 15, 1936; 114.4 for October, and 101.5 for November, 1935.

The bureau's general index numbers for all manufacturing industries, November 15, 1936, show the following:—

	Nov. 1936.	Oct. 1936.	Nov. 1935.
Employment	96.6	96.5	88.7
Payrolls totals	90.1	88.8	75.5

Employment in the chemical group of industries, November 15, 1936, was 23 percent above the general average for all industries, and 34 percent above the general average for November, 1935. Payroll totals were 27 percent above the general average for all industries, and 51 percent above the general average for November, 1935.

Detailed Comparisons

Details for the several divisions comprised in the calculation of the Bureau of Labor Statistics' November 15 index numbers for the chemical group of industries show the following comparisons:—

Employment

(100=1923-25 average)

	Nov. 1936.	Oct. 1936.	Nov. 1935.
Chemicals	130.0	129.0	116.4
Cottonseed oil, cake and meal	102.6	103.5	108.2
Druggists' preparations	105.9	104.4	104.4
Explosives	95.4	93.2	84.1
Fertilizers	70.0	76.9	72.8
Paints and varnishes	124.8	128.6	122.3
Petroleum refining	119.9	120.6	117.4
Rayon and allied products	363.5	361.5	350.0
Soap	102.3	107.1	101.9

(Continued on page 27A)

Patman Act Violation In Hat Sales Charged

WASHINGTON, Dec. 30, 1936.

Charging violation of both the Robinson-Patman and Federal Trade Commission acts, the Federal Trade Commission has issued a complaint against the Hollywood Hat Company, manufacturer and distributor of women's hats, New York.

Price discrimination between different purchasers of the respondent company's hats of like grade and quality, is alleged in the complaint. Contrary to provisions of the Clayton act as amended by the Robinson-Patman act, the respondent company is alleged to have allowed certain purchasers, particularly Si Fish, Inc., a retailer with stores in San Francisco, Sacramento, and Oakland, Cal., different prices from those given to other of its purchasers competitively engaged in selling women's hats in the three California cities and other localities in the United States. According to the complaint,

(Continued on page 36A)

Closing Market Developments

Cottonseed Oil Strong

Crude cottonseed oil was strong in southern markets late in the week, sellers asking 10½c. in the southeast and the Valley on Thursday. Offerings were light as many of the mills are reported to have sold their output far ahead. Refined oil futures in the local market were firmer. Foreign interests and local and outside longs sold rather freely, but offerings were well absorbed and May sold at 11.75c. and July at 11.78c., these prices being the highest for the year.

Blood Points Higher

Some holders of dried blood asked $4.50 per unit for their supplies at New York. Latest sales were made at $4.25 per unit.

Pittsburgh Gasoline Up

Gasoline dealers in greater Pittsburgh increased retail prices 1c. per gallon to 19½c. per gallon, January 1.

Heavy Chemicals Quiet

The market for industrial chemicals was quiet at the close of week. Prices generally were steady to firm. Shipments on the books for first quarter delivery were said to be the largest in volume at the end of any year since 1929. Labor unsettlement in certain major industries consuming chemicals remained as a disturbing factor. The rate of steel operations in the Youngstown district for this week was rendered uncertain by the automobile strike situation. A major glass plant has issued orders that fires be drawn in furnaces, indicating that any settlement of the strike in the flat glass industry is distant.

Trade News Briefs

British exports of chemicals, drugs, dyes, and colors in October, 1936, had a total value of £1,910,300, compared with £2,070,300 in October, 1935.

Indianapolis Varnish & Paint Company has bought the goods and equipment of the Ebner-Myers Varnish Company and the plant formerly occupied by the latter.

Pepsotalis Company, otherwise C. G. Hyre, Morgantown, W. Va., has been ordered by the Federal Trade Commission to stop radio-broadcasting that pepsotalis is a generally beneficial stomach medicine.

J. I. Holcomb Manufacturing Company, cleansing preparations, Indianapolis, has purchased the former Leedy plant to get larger facilities. It is making adjustments in its new home and expects to move in about February 1.

Baltimore Paint, Varnish and Lacquer Association held its Christmas party December 18 with more than seventy in attendance. C. Burch Athey, president of the organization, was master of ceremonies.

Chester F. Hockley, president of the Davison Chemical Corporation, Baltimore, was host to officers of the company, and other prominent members of the fertilizer industry, at a Christmas Eve dinner in the Lord Baltimore hotel.

A. T. Loeffler, who had for many years been associated with the Hooker Electrochemical Company, resigned some time ago, and has accepted a position in the Monsanto Chemical Company's New York office, effective January 4.

Continental Can Company reports the purchase of a 45-acre plot in Tampa, Fla., which will be used as a site for a new can manufacturing plant, construction to be started soon. The new plant will be equipped for the manufacture of packers' cans, and will cost $500,000.

Essential oil exporters in Brazil have been listed by the Bureau of Foreign and Domestic Commerce, and copies of the list may be obtained from the Commercial Intelligence Division of the bureau, Washington, at 10 cents each. Oil of bois de rose is the major Brazilian product in this line.

Peaslee-Gaulbert Corporation, Louisville, has had an issue of $600,000 6 percent preferred stock approved by the Securities and Exchange Commission and it has been offered at par for public subscription. The proceeds will be used to retire the old 7 percent preferred and to provide additional working capital.

Sapolin Company, manufacturer of paints, held a three-day sales convention in the Hotel St. George, Brooklyn, ending December 30 in a banquet. More than forty sales managers from all over the country and from foreign countries attended, and inspected the plant of the company. J. L. Plowright, general sales manager, presided at the conferences, and Charles J. Witt, assistant sales manager, was in charge of arrangements.

Dolphin Paint & Varnish Company stock has been ordered withdrawn from registration on the Detroit Stock Exchange by the Securities and Exchange Commission. The order affects 25,000 shares of class A common stock and 50,000 shares of class B—all of no par value—and dismisses the company's application for permission to withdraw the stock. Failure to comply with the requirements of the SEC act is stated as the reason for the commission's action.

Chemical Prices Held Steady

Few price changes were made in the markets for heavy and fine chemicals last week. Such movement as there was had a slight upward accent, although some of the reductions were important. Business was slowed up by the holiday, but the prospects were regarded as the most favorable in six years. Labor unsettlement was the source of some discouragement and had a depressing effect on shipments of materials, particularly solvents used in the automotive industry and chemicals used in glassmaking.

Prices were advanced on chloride of magnesia, tin crystals, nitrate of silver, bonedry, TN, and superfine shellacs, and raw bone, also on fertilizer tankage at Chicago. Lower prices were quoted on white arsenic (the first change in a year) and cream of tartar, and on steamed bone at Chicago. The price of copper was raised to the highest point in several years.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.6 (100 = average at August 1, 1914); a year ago it was 125.1. In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.9, against 88.6 at this time a year ago.

Ayres Heads F.T.C.

Washington, Dec. 31.

The Federal Trade Commission has designated Commissioner William A. Ayres to serve as chairman of the commission for the calendar year 1937, effective January 1. Under the rule of the commission, the chairmanship rotates yearly. Commissioner Ayres succeeds Commissioner March, who has been serving as chairman during the past year.

The new chairman was appointed to the Federal Trade Commission by President Roosevelt June 30, 1934, resigning from the House of Representatives to accept the appointment. Mr. Ayres came to the commission after serving eighteen years as a member of congress from the Eighth, later the Fifth, Congressional District of Kansas. His home is in Wichita in that State.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Castor Oil:—Australia has exempted castor oil from the provisions of the sales tax, when for use in local manufacturing or other stated purposes.

Crude Oil, Fuel Oil, Fuel Tar:—Australia has exempted crude oil, fuel oil, and fuel tar from the provisions of the sales tax when for use in local manufacturing and other stated purposes.

Crude Pitch:—Switzerland has removed the import quota restrictions and license requirements from crude pitch.

Margarin:—Netherlands has further reduced the taxes on domestic margarin A, containing 10 percent of domestic butter, from 0.426 florins to 0.393 florins per kilo; on vegetable and ritual margarin from 0.52 to 0.49 florins per kilo, and on margarin for mixing from 0.473 florins to 0.437 florins per kilo.

Oils and Greases:—Ecuador, by executive decree, has increased the import duty on lubricating oils for machinery and vehicles, including greases, of any composition or mixture, not otherwise specified, from 0.25 sucre to 0.40 sucre per gross kilo.

Olive Oil:—Australia has exempted medicinal olive oil from the provisions of the sales tax, when for use in local manufacturing or other stated purposes.

Quinine:—Netherland India has continued and amended the existing license restrictions on the production, manufacture, and exportation of quinine and on the exportation of cinchona plant propagation material, for ten years from January 1, 1937.

Salt:—France has increased the import duty on crude salt from 12.75 francs to 15 francs per 100 kilos net, and on other salt from 17 francs to 20 francs per 100 kilos net, in the minimum tariff applicable to the United States.

Soybean Oil:—United Kingdom now allows a drawback on soybean oil used in the manufacture for export of canned fish, at the rate of 11s. 6d. per ton, on the same terms as other soybean oil.

Carroll Miller Elected Chairman of I. C.C.

WASHINGTON, Dec. 29, 1936

Carroll Miller, at present a Commissioner of the Interstate Commerce Commission, has been elected Chairman of the Commission for the coming year, effective January 1, succeeding Charles D. Mahaffie.

Born in Richmond, Va., March 18, 1875, Mr. Miller received his education at Richmond College and the Stevens Institute of Technology, where he got his degree in mechanical engineering. Previous to his appointment in 1933 by President Roosevelt, Mr. Miller was a consulting engineer in the manufactured and natural gas industries, and is considered a gas-rate specialist. Among the societies he belongs to are the American Gas Association, the Guild of Gas Manufacturers, and the Society of Gas Lighting.

Contents of This Issue

News and Statistics

American Group Gets Afghan Oil Concession 36A
Aluminum Prodution: 1935..... 27A
Ayres Heads Federal Trade Commission 4
Baltimore Drug Bowlers..... 56
Business Leaders Review 1936; Forecast 1937 Trade Trends..... 3
"Blocked" Marks Problem Eased by U. S. Treasury..... 32
Bass Returns to Mellon Institute.. 23
Blackstrap Freight Rates Cut.....36A
Baking Powder Output Makes Gain Over 1933..... 29
Copeland Will Enter Drug Bill First Day 3
Chemical Payrolls Gain in November 3
Chemical Exposition Date Set for Next December.....27A
Cleveland P.V.P.C. Opens 'Gaming' Club 36A
Chemical Salesmen Ass'n Holds Big Xmas Party.....36A
Drug Advertising Control Is Proposed in Colombia..... 56
Drug Store Chain Sales Increased in November.....36A
Flaxseed for A-D-M Diverted by Spain 36B
F.T.C. Drops Thayer Charges..... 50
Gold Leaf Output: 1935.....36A
Gum Importers to Open Own Research Laboratory.....36A
Hitchcock Relinquishes Nichols Copper Post..... 5
Holiday Mementoes Received..... 23
Johnson vs. Johnston Trademark Suit Ended..... 36
Jefferson Lake Moving Sulphur Plant to Texas.....36A
London Drug and Oil Data..... 50
Miller Elected Chairman of the I. C. C..... 4
Magnus Re-elected President of Board of Trade..... 5
Mirror Makers Get Trade Practice Rules 27A
McCormick Salesmen Hold Four-Day Meeting..... 48
Margarin Manufaturing: Aug., Sept.36B
Merkin Holds Sales Meeting.....36A
Matches Production in 1935..... 3
Narcotics Trade Records Issued..... 3
National Lead Branch Heads Retire. 5
Nitrogen Output of World Reaches New High Record.....27A
Naval Stores Conserving Program Planned by U.S.....36A
Naphthol AS Made in Japan.....36A
Oil-Handling Instructions Issued by Marine Bureau.....36B
Oil Trades Dinner Set for Jan. 19..36B
Patman Act Violation in Hat Sales Charged 3
Petroleum Market Status..... 47
Petroleum Production..... 48
Phillips Petroleum to Get 100 More Fuse Weld Cars..... 29
Refuse Palm Oil Buyer Must Pay Process Tax.....36B
Roofing Specifications Incorporated in Booklet..... 29
Spanish Potash Cargo Held Up by Britain 50
Santonin Substitute Exploited in Japan 50
U. S. and Italy Working Toward Reciprocal Pact.....36A
Zinsser's Annual Sales Meeting..... 36

General Features

Advertisers' Index..... 57
Bids Wanted..... 32
Chemical Price Trends..... 4
Classified Advertisements..... 56
Closing Market Developments.... 4
Contracts Awarded..... 32
Corporation Earnings ..... —
Dividends Declared.....36A
Editorials 24
Foreign Tariff Notes..... 4
Foreign Trade Openings..... 56
Industrial Uses of Chemicals..... 30
Obituaries 32
Prices Current..... 7
Scientific, Professional Services.. 50
Some New Books..... —
Trade News Briefs..... 4
What You Can Use..... 46
Where You Can Sell..... 30

Market Reports

Botanical Drugs, Spices, Gums... 43
Coaltar Chemicals..... 28
Drugs and Fine Chemicals..... 41
Dyestuffs and Textile and Leather Chemicals..... 31
Essential Oils and Aromatics.... 45
Fertilizer Materials..... 49
Heavy Chemicals..... 26
Oils, Fats and Waxes..... 37
Paint, Varnish, Lacquer Materials 33
Petroleum Solvents, Lubricants, Fuels 47

Shipping Information

Cargo Ship Arrivals..... 55
Charters 55
Coastwise Shipments..... 55
Exports 54
Imports 51
Imports Detained..... 56

Oil, Paint and Drug Reporter, Volume 131, No. 1, January 4, 1937. Published by Oil, Paint and Drug Publishing Company, Inc., 12 Gold Street, New York. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

National Lead Company Branch Heads Retire

Two branch managers for the National Lead Company retired with the turn of the year, and their combined period of service totaled 108 years. One of these veterans is O. H. Greene, manager in St. Louis, whose services extended over fifty-eight years. The other is C. C. Foerstner, manager in

O. H. Greene

Cleveland, who reached his golden anniversary two months ago.

Not only do Mr. Greene and Mr. Foerstner have the unusual distinction of passing more than a half-century in the service of one organization, they also started at the bottom; both worked their way to well-merited success and recognition and built at the same time many worthwhile friendships among their associates within the company and their contacts without.

The consolidation of various regional white-lead corroders into the National Lead Company was still a few years in the future when O. H. Greene entered the lead business in 1878 with the St. Louis Lead & Oil Company. This concern was later taken over in the formation of the National Lead Company.

C. C. Foerstner

About 1909 he was appointed assistant manager in St. Louis and in 1929, upon the retirement of George O. Carpenter, became branch manager. Subsequently he was elected a director of the company, and he will continue as a member of the board. Always interested in athletics, Mr. Greene was one of the original twenty-four members of the board of the Missouri Athletic Association, St. Louis. He is also a former president of the St. Louis Traffic Club and the St. Louis Paint, Oil and Drug Club.

C. C. Foerstner began his career as a white-lead man October 29, 1886, starting as an office boy for the old J. H. Morley Lead Works, Cleveland. Later, after this firm had come into the National Lead Company fold, he was appointed manager of the Cleveland branch. He is believed to have been the youngest man ever to obtain managerial rank in the organization.

Mr. Greene's successor as manager of

(Continued on page 36A)

Business Leaders Review 1936 Forecast 1937 Trade Trends

(Continued from page 3)

crease inventory for stock taking purposes, has been an exceptionally good month, with sales almost the equal of October and November.

The industry has exhibited a sincere desire to conduct its business within the meaning of the provisions of the Robinson-Patman act, and a great deal of care and attention has been given to the developing of a price structure of fair market prices which would not be discriminatory in the eyes of the Federal Trade Commission.

When the history of 1936 is written it is our opinion that a cross section of the heavy chemical industry will show that the year was the best since the beginning of the so-called "depression," and will indicate a sales volume equal to about 87.5 percent of the average of the five years prior to and including 1929, and a still greater improvement is expected during 1937.

Langbourne M. Williams, Jr., *President, Freeport Sulphur Company:—*

During the year 1937 the sulphur industry in America should enjoy sales gains in the domestic market commensurate with the general increase in industrial activity. Sulphur plays an integral part in scores of manufacturing processes and since it is a basic industrial and agricultural necessity, its production figures have long been regarded as an accurate barometer of business prosperity.

There is reason to believe that American sulphur producers will enjoy increases in domestic sales volume during the coming year. Conditions abroad may possibly affect our export market. On the other hand, continued conflict in Spain, which produces large quantities of pyrites ore from which sulphuric acid is obtained, may prevent Spanish exports both to this country and other European countries. A part of this business may accrue to American producers.

The upswing in business during 1936 enjoyed by the many large users of sulphur such as steel mills, fertilizer plants, paper mills, acid plants, rubber factories, and others, has been reflected in increased sulphur production in this country. While complete production figures for the entire year 1936 are not yet available it is estimated that the total output of American mines will be approximately 2,000,000 tons. This will be an increase of 367,410 tons over the 1,632,590 tons produced in 1935 or approximately 22.5 percent. Fortunately, sulphur is available in quantity so that the cost can be kept low to the industrial concerns and farmers who use it. Crude sulphur, which is guaranteed to be 99.5 percent pure, sells for less than one cent per pound delivered in New York harbor.

During the past year research experts and scientists have been studying many new uses for sulphur, particularly in the field of agriculture and the results of these studies should prove of great benefit to millions of farmers. The Freeport Sulphur Company has been co-operating with State agricultural colleges and farm experiment stations in an attempt to perfect many of the operations involved in these new uses for sulphur.

Use of sulphur dust to control the cotton flea-hopper is widely expanding in the Southern cotton-growing States. Continued expansion of this method for combatting this pernicious pest will result in savings of millions of dollars a year to American cotton growers. The flea-hopper annually destroys thousands of acres of growing cotton plants, blasting the tiny buds and squares from the stalks. By dusting with sulphur the flea-hopper's damage is stopped. The cotton yield has been increased as much as 360 pounds of seed cotton per acre by this treatment and has provided a net gain to the farmer of as much as $10 per acre.

Sulphur in the form of sulphuric acid has been found to be of great value in delinting cottonseed. By this treatment, cottonseed plants more easily, germinates more rapidly, and produces a stronger, healthier cotton plant. Use of sulphuric acid as a weed eradicator in barley, oats, rye, and wheat fields kills such devastating weeds as ragweed, mustard, wild radish, and Russian thistle. Experiments have also shown that sulphur can be of value in the control of coccidiosis, a parasitic disease which affects the alimentary canals of chickens, causing great losses to poultry raisers. Apparently, the way is now pointed to effective control of this scourge through the use of sulphur.

Use of sulphur as a fungicide also is expanding and the substance is continuing to prove its value to orchardists, citrus growers, and horticulturists, for it effectively rids plants and trees of devastating parasites.

Expansion of agricultural markets during the past year has convinced the sulphur industry that it has much in common with the farmer. We are considering his problems as our problems and striving through scientific research to ease the farmer's burden and add to his profits.

The year 1937, I believe, will see a continuation of this growing alliance between industry and agriculture with attendant benefits to the country as a whole.

George A. Whiting, *President, Standard Wholesale Phosphate & Acid Works:—*

Judging from the business we are doing in chemicals, the growth has been phenomenal over the year 1936, and the volume of business promises to be even larger during at least the first half of 1937. It is rather difficult to see beyond June of 1937, or to prophesy what may happen past that date, but it seems reasonably sure that the increase will continue up to that time.

We are building an acid plant, I believe the first one of such size built for over seventeen years, which shows a revival of the chemical industry.

A. F. Kitchel, *President, Binney & Smith Company:—*

The year just closing has shown very excellent growth in our field of carbon black, consumption schedules having increased considerably and much more consistently than has been experienced for some time.

For several months past consumption has exceeded production, so that industry stocks are now down to a very nominal basis. Several of the important producing factors are accordingly increasing their facilities, the output of which will be available during the next few months.

Estimates furnished us for the coming year indicate a good demand with a healthy rate of increase, depending only upon the general industrial performance. We are all prepared to take care of these requirements in the various lines, and look forward to a very satisfactory year.

H. R. Tisdale, *American Dyewood Company:—*

Our business, in general, has shown an improvement over the preceding year, and from all indications we look for a still further increase during 1937.

E. K. Halbach, *President, General Dyestuff Corporation:—*

The year 1936 was outstanding because of the tremendous activity in textile and allied lines. This growth was so rapid and so large that one becomes somewhat alarmed as to whether it is a truly healthful situation. While the indications now are that this business should continue probably through 1937, there is a great doubt of what may happen after that.

The gratifying situation, from our point of view, has been the continued and substantial growth of the use of fast colors. Methods of dyeing have been improved, the costs reduced so that fast colors are no longer used on luxury goods alone, but also on the very cheapest and common fabrics.

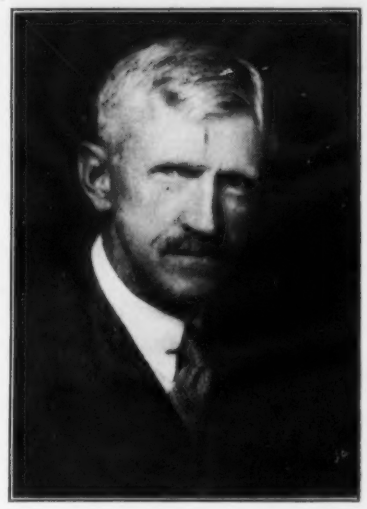
As the consuming public becomes aware of the fact that colors of such satisfactory fastness are available, the demand for these will undoubtedly increase and the consumer's appreciation and increased satisfaction with the material he buys will go a long way toward providing a more substantial and stable market.

(Continued on page 27B)

Hitchcock Relinquishes Nichols Copper Post

George P. Hitchcock, assistant secretary of the Nichols Copper Company and, since 1918, in charge of its sales of copper sulphate and other chemicals incidental to copper refining, has resigned. He retired December 31.

While announcing no plans for the immediate future, Mr. Hitchcock says



Pach Bros. Photo.

George P. Hitchcock

he would like, among other things, to visit some of the countries to which he has been shipping blue vitriol all these years—it has gone into most parts of the habitable world.

The new head of the chemical products division of the Nichols Copper Company is Hugh M. Rice, who comes to this city from Chicago, where he has been western manager for the company during the past ten years.

Mr. Rice was born in Rogers, Ark., and was educated at Pea Ridge Masonic College, University of Arkansas. Soon after leaving the university he took a position with the Sherwin-Williams Company's Southwestern district paint and varnish division. Shortly there-

Hugh M. Rice

after he was made manager in the Southwestern district of that company's coal tar dye and insecticide division. He resigned to become managing director of sales for the Goldsmith Brothers Smelting & Refining Company, Chicago. After four years in that service he resigned to accept the position of Western manager for the Nichols Copper Company.

Percy C. Magnus Re-Elected President of Board of Trade

Percy C. Magnus, president of Magnus, Mabee & Reynard, was re-elected president of the New York Board of Trade at a special meeting of the board of directors December 28. This will be Mr. Magnus' fifth term.

Charles L. Bernheimer was named chairman of the board and M. D. Griffith executive vice-president.

Our position, in the chemical industry, is that of an intimate consultant as well as a manufacturer. We like actual and prospective customers to consider us a private laboratory where problems may be worked out in a seclusion that is not violated by ordinary business gossip and rumors. We welcome inquiries pertaining to our business.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate.
Potassium perchlorate. Oxalic acid

DU PONT
REG. U.S. PAT. OFF.

R & H INDUSTRIAL
CHEMICALS

ACCELERATORS
Diphenylguanidine
Diortho Tolyl Guanidine
Triphenylguanidine
ACETANILID
ACETONE
C. P. and Methyl
ACID, PHOSPHORIC
Various Grades
AMMONIUM CARBONATE
Lump and Powder
AMMONIA, SAL
Granular White 99-100%
Gray, Fine and Coarse
ANTIMONY OXIDE
ARSENIC, RED
BARIUM CHLORIDE
BARIUM HYDRATE
BICHROMATE
Soda and Potash
BORAX
BORACIC ACID
CAFFEINE ALKALOID
CARBON TETRACHLORIDE
CHROMIC ACID
COPPER CARBONATE
52-54%
CYANIDE, POTASSIUM
ETHYLENE DICHLORIDE
FELDSPAR, "CHEMI-TROLD"
FORMIC ACID
IRON BY HYDROGEN
IRON CHLORIDE
LITHIUM SALTS
MANGANESE CHLORIDE
NAPHTHALENE
NICKEL SALTS, SINGLE AND DOUBLE
NICKEL CHLORIDE
NITRITE SODA
OXALIC ACID
PARADICHLOROBENZENE
OXALATE AMMONIA
OXALATE POTASH
BINOXALATE POTASH
BICARBONATE POTASH
CAUSTIC POTASH
Fused, Broken, Ground and Flakes
CARBONATE POTASH
Liquid, Calcinated and Hydrated
PERMANGANATE POTASH
RED PRUSSIATE POTASH
YELLOW PRUSSIATE POTASH
YELLOW PRUSSIATE SODA
SODA ACETATE
SODA ASH
SODA BICARBONATE
SODA CAUSTIC
SODA SILICO FLUORIDE
ACID SODA FLUORIDE
SODA FLUORIDE
STEARATES
Aluminum, Calcium, Magnesium and Zinc
SULFUR CHLORIDE
SULFUR DIOXIDE
TETRA SODA PYROPHOSPHATE
TRISODIUM PHOSPHATE
ZINC CARBONATE
ZINC CHLORIDE

Also refrigerants, non-flammable solvents, cyanides, formaldehyde, active oxygen products, ceramic chemicals, etc.

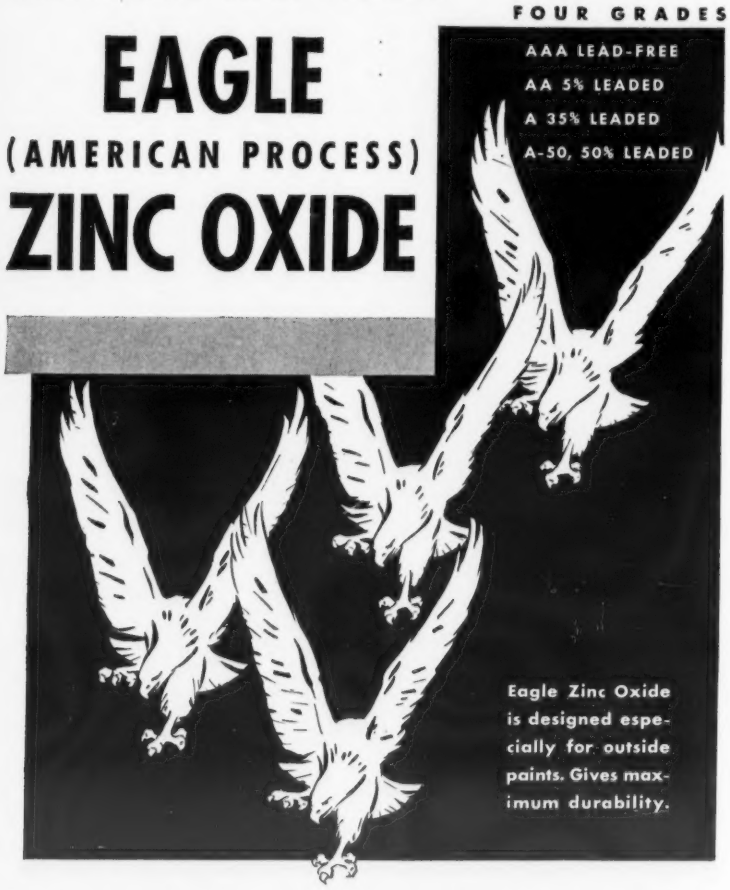
Write for current price list giving prices on these and other chemicals

Quarterly PRICE LIST

THE R. & H. CHEMICALS DEPT.
E. I. DU PONT DE NEMOURS & CO., INC.
Empire State Bldg., N. Y. C.

FOUR GRADES
AAA LEAD-FREE
AA 5% LEADED
A 35% LEADED
A-50, 50% LEADED

EAGLE
(AMERICAN PROCESS)
ZINC OXIDE



Eagle Zinc Oxide is designed especially for outside paints. Gives maximum durability.

THE EAGLE-PICHER LEAD COMPANY
CINCINNATI, OHIO

WHITE LEAD CARBONATE • RED LEAD
SUBLIMED BLUE LEAD • SUBLIMED WHITE LEAD
LITHOPONE
EAGLE EP PICHER
SUPER SUBLIMED WHITE LEAD • LITHARGE
SUBLIMED LITHARGE • ORANGE MINERAL
ZINC OXIDE

MILK
SUGAR
(LACTOSE)
Produced at Our Gustine, Cal. Plant
Powdered — Impalpable
Highest Quality — Best Prices

SMITH, KLINE & FRENCH
LABORATORIES
109-115 North Fifth Street
PHILADELPHIA

"When you think of
MILK SUGAR
think of
S-K-F"

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)

Acetal, dms., works..lb. .75 - 1.00

Acetaldehyde, dms., works....lb. .14 - .16

Acetamide, CP, bots., kegs, 1,000 lb. min., works..lb. .43 - —

tech., kegs, 1,000 lb. min., works lb. .38 - —

Acetanilide, tech., 95%, bbls..lb. .24 Nom.

USP, bbls.....lb. .26 - —

Acetin, tech., dms.....lb. .22 - .25

Acetoacetanilide, dms.....lb. .65 - .70

Acetone, CP, dms., c.l., dlvd..lb. .07 - —

l.c.l., dlvd.....lb. .07½- —

tanks, dlvd.....lb. .06 - —

Acetyl (see M)

Acetophenone, bots., cns.....lb. 1.25 - 2.25

Acetphenetidin, kegs.....lb. 1.80 - 1.40

Acid, abietic, bbls., c.l.....lb. .06⅝- —

l.c.l.....lb. .07 - —

Acetic, coml. or redist., 28% bbls. 100 lbs. 2.45 - 2.70

cbys.....100 lbs. 2.95 - 3.20

56%, bbls.....100 lbs. 4.60 - 4.85

cbys.....100 lbs. 5.10 - 5.35

70%, bbls.....100 lbs. 5.75 - 5.90

cbys.....100 lbs. 6.25 - 6.40

80%, bbls.....100 lbs. 6.53 - 6.75

cbys.....100 lbs. 7.03 - 7.25

glacial, natl., CP., cbys.100 lbs.14.00 - —

coml. bbls.....100 lbs. 8.43 - 8.66

cbys.....100 lbs. 8.93 - 9.18

USP., dms.....100 lbs.10.50 - —

cbys.....100 lbs.11.00 - —

synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68

cbys.....100 lbs. 8.93 - 9.18

USP., reagent, 99.8%, al. dms—100 lbs.10.50 - —

cbys.....100 lbs.11.00 - —

pure, 50%, bbls.....100 lbs. 3.52 - 3.77

cbys.....100 lbs. 3.92 - 4.17

30%, bbls.....100 lbs. 3.95 - 4.20

cbys.....100 lbs. 4.45 - 4.70

60%, bbls.....100 lbs. 6.63 - 6.88

cbys.....100 lbs. 7.18 - 7.38

90%, bbls.....100 lbs. 8.33 - 8.58

cbys.....100 lbs. 8.83 - 9.08

Acetic acid prices are on freight allowed basis in zone 1 (East of Mississippi River), Zone 2 (Mississippi River to Rocky Mounts), $1.50 per 100 lbs. higher, Zone 3 (Pacific Coast), $1.75 per 100 lbs. higher.

Acetic,anhydride, dms., c.l..lb. .13 - —

l.c.l.....lb. .14 - .15

Acetylsalicylic, USP, bbls., 225 lbs..lb. .55 - —

boxes, 100 lbs.....lb. .56 - —

50 lbs.....lb. .57 - —

25 lbs.....lb. .57 - —

kegs, 100 lbs.....lb. .55 - —

Anthranilic, refd., bbls.....lb. .85 - .90

tech., bbls.....lb. .75 - —

Arsenous, tech. (see Arsenic, White).

USP., powd., dms., kegs...lb. .18 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —

1,000 to 3,900 lbs.....lb. .44 - —

900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. or more lb. .54 - —

1,000 to 3,900 lbs.....lb. .55 - —

900 lbs. or less.....lb. .58 - —

dms., 4,000 lbs. or more..lb. .55 - .56

1,000 to 3,900 lbs.....lb. .56 - .57

900 lbs. or less.....lb. .59 - .60

Battery, cbys, c.l. E. works. 100 lbs. 1.35 - 1.50

25 cbys or more, E. works. 100 lbs. 1.60 - 1.75

10-24 cbys.....100 lbs. 1.75 - 1.90

1-9 cbys.....100 lbs. 2.35 - 2.50

Beric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —

c.l., delvd.....ton.110.00 - —

l.c.l., ex whse.....ton.115.00 -120.00

sks., contracts, 80 tons, delvd..ton.95.00 - —

c.l., delvd.....ton.100.00 - —

l.c.l., ex whse.....ton.105.00 -110.00

powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —

c.l., delvd.....ton.115.00 - —

l.c.l., ex whse.....ton.120.00 -125.00

sks., contracts, 80 tons, delvd..ton.100.00 - —

c.l., delvd.....ton.105.00 - —

l.c.l., ex whse.....ton.110.00 -125.00

USP., $25 per ton higher.

Broenner's, bbls.....lb. 1.11 - —

Butyric, 95%, w.w., cbys., works, edible, cbys., works.....lb. .25 - .30

synthetic, 99%, dms., c.l., E. Charleston, W. Va..lb. .22 - —

l.c.l., same basis.....lb. .23 - —

tanks, same basis.....lb. .21 - —

Camphoric, cans.....lb. 5.50 - —

Caproic, cans.....lb. 2.20 - —

Carbolic (see Phenol).

Castor oil, split, dms.....lb. .16 - .16½

Chicago, bbls.....lb. 2.10 - —

Chlorosulphonic, dms., c.l., works..lb. .03½- —

5 drum lots, works.....lb. .04 - —

single drum.....lb. .05 - —

tanks, works.....lb. .03 - —

Chromic, 99%, dms., delvd. N.Y. lb. .14¾- .16¾

Cianamic, refd., bots.....lb. 2.85 - 3.25

Citric, cryst., bbls.....lb. .25 - —

kegs.....lb. .25½- —

gran., bbls.....lb. .25½- —

kegs.....lb. .25 - —

powd., bbls.....lb. .25½- —

anhyd., gran., dms.....lb. .25½- —

powd., dms.....lb. .28 - —

Prices on citric acid are f.o.b. N. Y.; Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .50 - —

Coconut oil, white, dms.....lb. .13 - .13½

Cottonseed oil, dms.....lb. .08 - .08¾

Cresylic, high-boil, dms., c.l., works, frt. equald.....gal. .72 - —

l.c.l., same basis.....gal. .74 - —

low-boil, dms., c.l., works, frt. equald..gal. .77 - —

l.c.l., same basis....gal. .79 - —

Acid, cresylic, special resin grade, dms., c.l., works. lb. .09 - —

l.c.l., same basis....gal. .08½- —

high-boil, dms., c.l., works..gal. .72 - —

l.c.l., same basis....gal. .74 - —

imported pale, 97-99, dms., gal. .84 - .99

Crotonic, dms., works.....lb. .90 - 1.00

Diethylbarbituric (see Barbital).

Epsilon, bbls.....lb. .77 - .79

Formic, dom., seaboard, 90%, cbys., f.o.b. stock points, c.l.....lb. .11 - —

25 carboys and over.....lb. .11½- —

1-24 carboys.....lb. .12 - —

Southern territory, cbys., c.l lb. .1220- .1290

25 cbys. and over.....lb. .1270- .1340

1-24 carboys.....lb. .1320- .1390

inland territory, cbys., c.l.lb. .1185- —

25 cbys. and over.....lb. .1235- —

1-24 cbys.....lb. .1285- —

Fumaric, bbls.....lb. .60 - —

Fluoric, tech., fib. ctns., 100 lbs., works..lb. .35 - —

smaller lots, works.....lb. .45 - —

Gallic, tech., bbls.....lb. .65 - .68

N.F., VI, bbls.....lb. .77 - .80

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —

H, bbls.....lb. .50 - .55

Hempseed oil, dms.....lb. .1180-.1225

Hydriodic, 47%, bots.....lb. 2.20 - 2.25

57%, bots.....lb. 2.65 - 2.70

Hydrobromic, 10%, USP, cbys.lb. .18 - .20

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.30

Hydrofluoric, 30%, bbls.....lb. .07 - .07¼

lead, cbys.....lb. .09 - .09¼

48%, lead cbys.....lb. .11½- .13

52%, lead cbys.....lb. .12½- .13

60%, lead cbys.....lb. .15 - .15½

Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15

Hypophosphorus, USP, 30%, djns..lb. .75 - —

Koch, bbls.....lb. .36 - .37

Lactic, 22%, dark, bbls., c.l., works..100 lbs. 2.50 - —

l.c.l., bbls., cbys., works. 100 lbs. 2.75 - 3.75

44%, bbls., c.l., works. 100 lbs. 5.50 - —

l.c.l., bbls., cbys., works. 100 lbs. 5.75 - 6.75

light, 22%, bbls., c.l., works. 100 lbs. 3.50 - —

l.c.l., bbls., cbys., works. 100 lbs. 3.75 - 4.75

44%, bbls., c.l., works. 100 lbs. 6.50 - —

l.c.l., bbls., cbys., works. 100 lbs. 6.75 - 7.75

50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½

plastic grade.....lb. .12½- .13¾

5 to 19, edible, bbls., cbys., plastic grade.....lb. .11 - .12

1 to 4, edible, bbls., cbys., plastic grade.....lb. .11½- .12½

80%, 5 and over, bbls., cbys..lb. .21 - .22

1 to 4 bbls., cbys.....lb. .21½- .22½

USP, X, 85%, cbys.....lb. .42 - .45

USP, VIII, 75%, cbys.....lb. .40 - .43

Linseed oil, dark or light, tanks, dms..lb. .1290- .1330

extra white, dms.....lb. .1230- —

split, dms.....lb. .1115- .1160

Laurent's, bbls.....lb. .09 - .10¼

Maleic, powd., dms.....lb. .45 - —

anhydride, dms.....lb. .29 - .40

Malic, powd., kegs.....lb. .32 - .42

Mandelic, bots.....lb. .45 - .60

drums.....lb. 5.25 - 5.75

Mixed, tanks, nitric unit....lb. .06½- .07

sulphuric unit.....lb. .0085- .009

Monochloracetic, tech., bbls..lb. .16 - .18

99%, bbls.....lb. .18 - .20

Monosulphonic, bbls.....lb. 1.50 - 1.60

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.35 - —

l.c.l., 25 and over, E. works..100 lbs. 1.60 - —

10 to 24, works..100 lbs. 1.75 - —

1 to 9, works..100 lbs. 2.35 - —

tanks, works.....100 lbs. 1.00 - —

20°, cbys., c.l., E. works. 100 lbs. 1.45 - —

l.c.l., 25 and over, works. 100 lbs. 1.70 - —

10 to 24, works..100 lbs. 1.85 - —

1 to 9, works..100 lbs. 2.45 - —

tanks, works.....100 lbs. 1.10 - —

22°, cbys, c.l., E. works. 100 lbs. 1.95 - —

l.c.l., 25 and over, works. 100 lbs. 2.20 - —

10 to 24, works..100 lbs. 2.35 - —

1 to 9, works..100 lbs. 2.95 - —

tanks, works.....100 lbs. 1.60 - —

CP, cbys.....lb. .06¼- .07¼

6-lb. bots.....lb. .06¾- .12½

Naphthenic, S.V. 120-200, dms. lb. .07 Nom.

210-230, dms.....lb. .09 Nom.

240-280, dms.....lb. .10 Nom.

sludges, dms.....lb. .05 Nom.

Neville & Winther's bbls.....lb. .85 - .87

Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —

l.c.l., 25 and over, E. works..100 lbs. 5.25 - —

10 to 24, works..100 lbs. 5.40 - —

1 to 9, works..100 lbs. 5.90 - —

38°, cbys., c.l., E. works. 100 lbs. 5.50 - —

Western works...100 lbs. 5.75 - —

l.c.l., 25 and over, E. works..100 lbs. 5.75 - —

10 to 24, works..100 lbs. .90 - —

1 to 9, works..100 lbs. 6.40 - —

40°, cbys., c.l., E. works. 100 lbs. 6.00 - —

l.c.l., 25 and over, E. works..100 lbs. 6.25 - —

10 to 24, works..100 lbs. 6.40 - —

1 to 9, works..100 lbs. 6.90 - —

42°, cbys, c.l., E. works. 100 lbs. 6.50 - —

l.c.l., 25 and over, works. 100 lbs. 6.75 - —

10 to 24 works..100 lbs. 6.90 - —

1 to 9, works..100 lbs. 7.40 - —

Nitric, CP, cbys.....lb. .11½- .12½

7-lb. bots.....lb. .12½- .22½

Prices of yellow nitric acid 25c. per 100 lbs. below those above.

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works. lb. .10¾- —

10,000 lbs., and over....lb. .11 - —

smaller quantities....lb. .12 - .14

Palm oil, dms.....lb. .08¾- .08¾

Para-aminobenzoic, bbls., frt. all'd..lb. 1.25 - 1.30

Phenylacetic, bots.....lb. 2.00 - 2.25

Phosphoric, tech., 50%, cbys.lb. .06 - —

75%, cbys.....lb. .09 - —

USP, 85%, s.g. 1.710, djns.lb. .13 - .14

50%, s.g. 1.347, cbys, djns., 10% dilut. cbys, djns..lb. .14 - —

Picramic, kgs.....lb. .07 - .07¼

Picric, bbls., c.l.....lb. .65 - .70

l.c.l.....lb. .80 - —

Propionic, ref., cbys., works. lb. .25 - —

dms., works.....lb. .22 - —

tech., cbys., works.....lb. .20 - —

dms., works.....lb. .16 - —

Pyrogallic, cryst., cns.....lb. 1.55 - 1.65

resubl, cns.....lb. 1.90 - 2.00

Pyroligneous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, dms.....lb. .20 - .25

Salicylic, tech., bbls.....lb. .40 - —

USP, bbls.....lb. .40 - —

Sardine oil, dms.....lb. .40 - .45

Sebacic, C.P., bbls., works..lb. .09¼- .09¾

tech. bbls., works.....lb. .08 - —

Soybean oil, dms.....lb. .37 - .41

Stearic, distil., double pressed, single pressed, bgs., dlvd..lb. .11½- .12½

triple pressed, bgs., dlvd.lb. .11 - .12

saponif., double pressed, bgs., dlvd..lb. .14¼- .15¼

triple pressed, bgs., dlvd..lb. .11¾- .12¾

Succinic, bbls.....lb. .14½- .15½

Sulphanilic, CP, bots, works.lb. .75 - —

tech., dms., works.....lb. 1.60 - 1.65

Sulphonaphthenic, dms.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.10 - —

l.c.l., 25 and over, works. 100 lbs. 1.35 - —

10 to 24, works..100 lbs. 1.50 - —

1 to 9, works..100 lbs. 2.10 - —

tanks, E. works.....ton.12.00 - —

66°, cbys., c.l., E works. 100 lbs. 1.35 - —

l.c.l., 25 and over, works. 100 lbs. 1.60 - —

10 to 24 works..100 lbs. 1.75 - —

1 to 9, works..100 lbs. 2.35 - —

tanks, E. works.....ton.15.50 - —

98%, tanks, works.....ton.16.50 - —

CP, cbys.....lb. .06¼- .07¼

9-lb. bots.....lb. .08¾- .17¾

fuming, 20%, tanks, E. works. ton.18.50 - —

65%, tanks, E. works..ton.35.00 - —

Sunflower seed oil, dms.....lb. .16 - .16½

Tannic, tech., bbls.....lb. .19 - .25

USP, fluffy, bbls.....lb. .83 - .86

Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .22¾- —

smaller quantities....lb. .23¼- —

kgs.....lb. .23¾- —

Tobias, bbls.....lb. .65 - —

Trichloracetic, bots.....lb. 2.45 - 2.50

Tungstic, CP, kgs.....lb. 2.45 - 2.70

tech., kgs.....lb. 1.50 - 1.60

Aconite leaves, bls.....lb. .22 - .24

Root, bls.....lb. .27 - .28

Aconitine, amorph., vis.....oz.17.00 - —

cryst., vis.....oz.30.00 - —

Adeps, lanae, anhyd., dms.....lb. .17½- .19

hyd., dms.....lb. .16 - .18

Agar Agar, 1, bls.....lb. .72 - .73

2, bls.....lb. .65 - .66

3, bls.....lb. .55 - .56

Agaric, white, bls.....lb. 3.00 - 3.25

Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .12 - —

ton lots, Chicago.....lb. .13 - —

less than ton, Chicago.lb. .15 - .17

powd., bgs., c.l., Chicago.lb. .13 - —

ton lots, Chicago.....lb. .15 - —

less than ton, Chicago.lb. .17 - .20

light, dom., flakg, grade 1, dms., Chicago..lb. .50 - .60

2, dms., Chicago.....lb. .45 - .50

import, bgs.....lb. .50 - —

Egg, ed., dom., bbls.....lb. 1.05 - —

import, cs.....lb. .77 - .79

Milk, grd., sks., c.l.....ton. Nc stocks

ungrd., sks., c.l.....ton. No stocks

Vegetable ed., bbls., works..lb. .65 Nom.

Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., dlvd..lb. .133 - —

tanks, dlvd.....lb. .143 - —

secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —

l.c.l., same terms.....lb. .10 - —

tanks, same terms.....lb. .08½- —

Benzyl, bots.....lb. .65 - 1.30

Butyl, normal, dms., c.l. frt. alld..lb. .10 - —

l.c.l., frt., alld.....lb. .10½- —

tanks, frt. alld.....lb. .09 - —

secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —

l.c.l., same terms.....lb. .08½- —

tanks, same terms.....lb. .07 - —

tertiary, denating, dms., frt. alld..lb. .14 - —

Capryl, pure, dms., works...lb. 2.50 - —

tech., dms., works.....lb. .85 - —

Cetyl., dom., C.P., fiber, ctns., 1,000 lbs..lb. 1.50 - —

500 lbs.....lb. 1.70 - —

100 lbs.....lb. 1.80 - —

25 lbs.....lb. 1.90 - —

5 lbs.....lb. 2.00 - —

com'l, dms.....lb. .95 - —

5 to 10 lbs.....lb. .75 - —

com'l, dms., 350 lbs.....lb. .40 - —

Cinnamic, bots.....lb. 2.50 - 3.50

Denatured, CD11, 12, 13, dms., c.l., works, E. frt. equal.gal. .33 - —

20 dms., East.....gal. .35 - —

1-19 dms., East.....gal. .38 - —

Prices for territories other than E. of Rockies, 5c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

Acacia—Alumina Hydrate

Alcohol, denatured, SD1, 190 pf., bbls., c.l., E. works..gal. .33 - —

19 bbls., E. works...gal. .35 - —

1 to 18 bbls., E. works, dms., c.l., E. works....gal. .38 - —

19 dms., E. works...gal. .32 - —

1 to 18 dms., E. works, tanks, E. works.....gal. .37 - —

Anhydrous, 5c. per gal. higher.

Special solvent, dms., c.l., E. works..gal. .33 - —

20 dms., E. works..gal. .35 - —

1 to 19 dms., E. works. gal. .38 - —

Tankcar sales require written authorisation by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld..lb. .18 - —

tech., contract, dms, c.l., frt. alld.....lb. .18½- —

l.c.l., frt. alld.....lb. .17 - —

Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.12 - —

19 bbls.....gal. 4.14 - —

1 to 18 bbls.....gal. 4.17 - —

dms., c.l.....gal. 4.11 - —

19 dms.....gal. 4.13 - —

1 to 18 dms.....gal. 4.16 - —

tanks.....gal. 4.05 - —

absolute, dms.....gal. 4.65 - —

Grain alcohol 46c. per gal. high.

Furfuryl, tech., cns., works..lb. .45 - —

dms., c.l., 33,000 lbs., works, l.c.l., 600 lbs. and more, works..lb. .30 - —

Hexyl, secondary, dms., works, frt. pd. E. of Rocky mts..lb. .35 - —

l.c.l., same terms.....lb. .10 - —

tanks, same terms.....lb. .10½- —

Isoamyl, primary, dms., l.c.l., dlvd.....lb. .09 - —

cans, works.....lb. .27 - —

Isobutyl, refd., dms., c.l. works, frt. alld. E. of Rockies.lb. .42 - —

l.c.l., same terms.....lb. .09½- —

tanks, same terms.....lb. .10 - —

Isopropyl, refd., 91% dms., c.l., f.o.b. dest. E. of Miss. crossing.....gal. .50 - —

l.c.l., same terms....gal. .55 - —

tanks, same terms....gal. .40 - —

98%, dms., c.l., same terms. gal. .60 - —

l.c.l., same terms....gal. .65 - —

tanks, same terms....gal. .50 - —

tech., 91%, dms. c.l. same terms..gal. .45 - —

l.c.l., same terms....gal. .50 - —

tanks, same terms....gal. .35 - —

98%, dms., c.l. same terms. gal. .55 - —

l.c.l., same terms....gal. .60 - —

tanks, same terms....gal. .45 - —

denat. grd., dms., c.l., frt. alld..gal. .33 - —

l.c.l., ft. alld.....gal. .33 - —

Methyl (see Methanol)

Phenylethyl, bots.....lb. 2.65 - 2.75

Propyl (see Isopropyl)

Aldehol, denat. grade, dms., tanks, works..gal. .70 - .80

Aldol, 95%, dms., c.l., works..lb. .21 - —

l.c.l., works.....lb. .25 - —

Aletris root, bgs.....lb. .30 - .31

Alizarin (see Red, alizarin)

Alkanet root, bgs.....lb. .10 - .11

Aloe, Barbados, true, cs.....lb. .35 - .90

Cape cs.....lb. .25 - .34

Curacao, cs.....lb. .21 - .25

gourds, bbls.....lb. .50 - .51

Socotrine, kgs.....lb. .35 - .50

Aloin, bbls., cns.....lb. 1.50 - 1.65

Alphanaphthol, bbls.....lb. .52 - —

Alphanaphthylamine, bbls.....lb. .52 - —

Althea root, cube cut, bls.....lb. .26 - .27

Alum, ammonia, burnt, USP, bbls. lb. .16 - .17

gran., bbls., works....100 lbs. 3.75 - 3.90

dlvd. N.Y., Phila...100 lbs. 2.90 - —

lump, bbls., works.....100 lbs. 3.00 - 3.25

dlvd. N.Y., Phila...100 lbs. 3.15 - —

powd., bbls., works...100 lbs. 3.15 - 3.40

dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalised with Marcus Hook, Boston, Atlanta, Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex-warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalisation point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.00 - 3.25

dlvd. N.Y., Phila...100 lbs. 3.15 - —

lump, bbls., works....100 lbs. 3.25 - 3.50

dlvd. N.Y., Phila...100 lbs. 3.40 - —

powd., bbls., works....100 lbs. 3.40 - 3.60

dlvd. N.Y., Phila...100 lbs. 3.55 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .07 - .07¼

Soda, bbls., c.l., works..100 lbs. 3.25 - —

l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, CP, 20% solut., bbls..lb. .09 - .10

Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —

12,000 to 40,000 lbs., works.....lb. .09 - —

1,100 to 11,000 lbs., works..lb. .07 - —

140 to 875 lbs., works.lb. .06 - —

100 lbs. or less, works.lb. .09 - —

cryst., com'l, dms., c.l., works lb. .06 - —

l.c.l., dms., works.....lb. .06¼- —

solution, 32 deg., cbys., c.l., works..lb. .02¾- —

l.c.l., cbys., works.....lb. .03¼- —

Hydrate, heavy, bbls., c.l., works..lb. .0290- —

less car lots, works....lb. .03½- —

light, bbls., dlvd.....lb. .13 - —

Alumina Oleate—Amyl Acetate

Alumina, oleate, dms., contr..lb. .16¾- —
open order.....lb. .17⅞- .18⅝
Palmitate, precip., bbls., ton.lb. .21 - —
smaller lots.....lb. .22 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, Zone 1-2, com'l, bgs., c.l., works, frt. equald 100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
Iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.60
truckload, dlvd, met. N.Y. 100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y.. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - 2.60
truckloads, dlvd., met.N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
bbls., truckloads, 5 to 9, dlvd. met. N.Y..100 lbs. 3.00 - —
1 to 4, dlvd, met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .19 - .19½
l.c.l. .....lb. .20 - .21

Aluminum, powder, dry, lining, ext. fine, dms., 30,000 lbs.; f.o.b. ship. pt. (see note below) lb. .90 - —
3,000-30,000 lbs., same basis—lb. .92 - —
1,000-3,000 lbs., same basis—lb. .95 - —
less than 1,000 lbs., same basis..lb. 1.00 - —
standard, dms., 30,000 lbs., same basis..lb. .55 - —
3,000-30,000 lbs., same basis—lb. .57 - —
1,000-3,000 lbs., same basis—lb. .60 - —
less than 1,000 lbs., same basis..lb. .65 - —
litho. ext. brilnt., dms, 30,000 lbs., same basis .....lb. .41 - —
3,000-30,000 lbs., same basis—lb. .43 - —
1,000-3,000 lbs., same basis..lb. .46 - —
less than 1,000 lbs., same basis..lb. .51 - —
ext. fine, dms., 30,000 lbs., same basis..lb. .45 - —
3,000-30,000 lbs., same basis..lb. .47 - —
1,000-3,000 lbs., same basis..lb. .50 - —
less than 1,000 lbs., same basis..lb. .55 - —
standard, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 bs., same basis..lb. .42 - —
1,000-3,000 lbs., same basis..lb. .43 - —
less than 1,000 lbs., same basis..lb. .50 - —

Aluminum powder, dry, litho. wallpaper, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 lbs., same basis..lb. .42 - —
1,000-3,000 lbs., same basis..lb. .45 - —
less than 1,000 lbs., same basis..lb. .50 - —
rubber comp., dms., 30,000 lbs., same basis..lb. .39 - —
3,000-30,000 lbs., same basis..lb. .41 - —
1,000-3,000 lbs., same basis..lb. .44 - —
less than 1,000 lbs., same basis..lb. .49 - —
unpolished, standard, dms., 30,000 lbs., same basis .....lb. .35 - —
3,000-30,000 lbs., same basis..lb. .37 - —
1,000-3,000 lbs., same basis..lb. .40 - —
less than 1,000 lbs., same basis..lb. .45 - —
varnish, ext. brilliant, dms., 30,000 lbs., same basis .....lb. .41 - —
3,000-30,000 lbs., same basis..lb. .43 - —
1,000-3,000 lbs., same basis..lb. .46 - —
less than 1,000 lbs., same basis..lb. .51 - —
ext. fine, dms., 30,000 lbs., same basis..lb. .45 - —
3,000-30,000 lbs., same basis..lb. .47 - —
1,000-3,000 lbs., same basis..lb. .50 - —
less than 1,000 lbs., same basis..lb. .55 - —

Aluminum powder, dry, varnish, standard, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 lbs., same basis..lb. .42 - —
1,000-3,000 lbs., same basis..lb. .45 - —
less than 1,000 lbs., same basis..lb. .50 - —
paste, fine, lining, dms., 30,000 lbs., same basis lb. .65 - —
3,000-30,000 lbs., same basis..lb. .67 - —
1,000-3,000 lbs., same basis..lb. .70 - —
less than 1,000 lbs., same basis..lb. .75 - —
extra dms., 30,000 lbs., same basis..lb. .70 - —
3,000-30,000 lbs., same basis..lb. .72 - —
1,000-3,000 lbs., same basis..lb. .75 - —
less than 1,000 lbs., same basis..lb. .80 - —
ink, dms., 30,000 lbs., same basis..lb. .80 - —
3,000-30,000 lbs, same basis..lb. .82 - —
1,000-3,000 lbs, same basis..lb. .85 - —
less than 1,000 lbs., same basis..lb. .90 - —
ink, dms., 30,000 lbs., same basis..lb. .75 - —
3,000-30,000 lbs., same basis..lb. .77 - —
1,000-3,000 lbs., same basis..lb. .80 - —
less than 1,000 lbs., same basis..lb. .85 - —
standard, dms., 30,000 lbs., same basis..lb. .43 - —
3,000-30,000 lbs., same basis..lbs. .45 - —
1,000-3,000 lbs., same basis..lb. .48 - —
less than 1,000 lbs., same basis..lb. .53 - —

Aluminum powder and paste, in single shipments are deductible as follows: 2,000 lbs., 1c. per lb. from 3,000-30,000 lb. prices; 5,000 lbs., ½c. from 30,000 lb. prices; 10,000 lbs., 1c. per lb. from 30,000 lb. prices; 25,000 lbs., 2c. per lb. from 30,000 lb. prices. Deduction equivalent to full freight rate allowed in quantities of 200 lbs. or over, where shipping point and destination are both E. of Miss. river; where destination is W. of Miss., but shipping point is E., deduction will be equivalent to the full freight rate only to the Miss. river; shipments ex whse. W. of Miss. net subject to freight allowance. Deliveries ex whse. extra as follows:—Chicago, Cleveland, Detroit, St. Louis, ¼c.; Houston, Kansas City, ½c.; Los Angeles, Portland, San Francisco and Seattle, 1c.; Dallas, Tulsa, ¾c.; Denver, 2c.

Ambergris, gray, tins.....oz. 22.00 -35.00
Amidopyrene, cs.....lb. 4.00 - 4.10
Ammonia, anhyd., fertilizer, tanks (50,000 lbs.) works....lb. .04½- —
refrigeration, tanks, works..lb. .05½- —
pure, cyls., dlvd., met. N.Y. lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Acetate, kgs.....lb. .26 - .33
Aldehyde, dms.....lb. .65 - .70
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content)..lb. .04½- —
tankwagons .....lb. .02 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs. to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - .36
Carbonate, tech., dom., bbls.lb. .08 - .12½
imported, csks.....lb. .08 - .12½
USP, lump, bbls.....lb. .08 - .09
cks .....lb. .07 - —
powd., bbls.....lb. .09 - .10
Chloride, tech. (see Ammoniac, sal)
USP, gran., bbls.....lb. .12½- .13
Citrate, kgs.....lb. .80 - .86
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua)
Hypophosphite, bbls.....lb. 1.10 - 1.15
Iodide, jars.....lb. 3.40 - 3.46
Laurate, bbls.....lb. .10 - —
Linoleate, 80%, anhyd., bbls.lb. .11 - —
Naphthenate, bbls.....lb. .11 - —
Nitrate, tech., cks.....lb. .04 Nom
Oleate, bbls.....lb. .10 - —
Oxalate, neutral, cryst., powd., bbls..lb. .26 - .27
pure, cryst., bbls., kgs....lb. .27 - .28
Perchlorate, kgs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22½
Phosphate, dibasic, NF, bbls.lb. .34 - .36
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, pure, bbls.....lb. .40 - .42
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., Jan.-June divy., dlvd., Ill., Ind., Mich., Ohio..ton. 24.00 - —
f.o.b. cars, Atlantic, Gulf ports..ton. 26.00 - —
Birmingham, Ala., ovens..ton. 26.00 - —
Northern ovens..ton. 24.00 - —
barge lots, Sparrows Point, Md., Brooklyn, N. Y..ton. 25.00 - —
dbl. bgs., export, f.a.s. N.Y., ton. No prices
Sulphide, liquid, dms.....lb. .15 - —
tanks .....lb. .12 - —
Sulphocyanide, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls, c.l. 100 lbs. 5.00 - 5.25
l.c.l. .....100 lbs. 5.50 - 5.75
import, gran., csks.....lb. 5.00 - 5.75
white, gran., dom., bbls., contracts, works..100 lbs. 5.00 - 5.05
imports, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .12 - .13
l.c.l., frt. alld.....lb. .12½- .13¼
tanks, works.....lb. .11 - .13
ex pentane, dms., c.l., dlvd, lb. .125 - —
l.c.l., dlvd.....lb. .135 - —
tanks, dlvd.....lb. .115 - —

THE NEW
WITCO CARBON BLACK PLANT
IS MAKING
RAPID PROGRESS

•

Construction on the new Witco Carbon Black plant, which will be one of the largest in the world, is now well under way at North Plains, Texas.

Work is going ahead at such a rapid rate that the first production is expected to begin within a month or six weeks. The plant is being built on the most modern lines and will contain the most up-to-date equipment obtainable. A neatly laid out village of modern homes for workmen has been built. The plant is served by a siding which the Rock Island Railroad rushed to completion in remarkably short order.

This new plant, which will have a daily capacity of 70,000,000 cubic feet, has as a reserve the Continental Gas Company acreage in Moore County, as well as a substantial part of the Shamrock Oil & Gas Company's acreage in the same county.

The company looks forward to the opportunity of furnishing an unsurpassed product and service to the carbon black using industries.

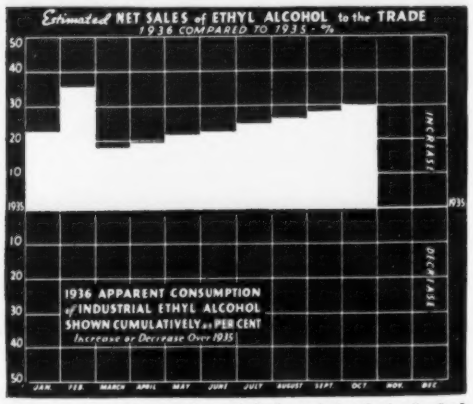
WITCO CARBON COMPANY
295 MADISON AVENUE, NEW YORK, N. Y.

ADVERTISEMENT—*This entire page is a paid advertisement.* *Prepared Monthly by the U. S. Industrial Chemical Co., Inc.*

SOLVENT NEWS

Reg. U. S. Pat. Off.

JANUARY ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1937


Estimated NET SALES of ETHYL ALCOHOL to the TRADE
1936 COMPARED TO 1935 - %
INCREASE
DECREASE
1935
1936 APPARENT CONSUMPTION of INDUSTRIAL ETHYL ALCOHOL SHOWN CUMULATIVELY as PER CENT
Increase or Decrease Over 1935
JAN. FEB. MARCH APRIL MAY JUNE JULY AUGUST SEPT. OCT. NOV. DEC.

Apparent consumption of industrial ethyl alcohol from Jan. 1 to Oct. 31, 1936, was 56,741,000 wine gallons. This is 29.8 per cent greater than during the same period in 1935 when 43,695,000 wine gallons were consumed.

Price schedules on pure alcohol, specially denatured formulae and ester solvents, for the first quarter of 1937 were announced on December 4. Normal butyl alcohol and normal butyl acetate were advanced a half cent per pound.

RAYON PRODUCTION INCREASES ALMOST 800 FOLD IN 25 YEARS

Rayon yarn production will have increased nearly 800 fold in 25 years if the expected 275,000,000 pounds was actually produced in 1936. The 1911 total was only 363,000 pounds.

Still further increased volume is expected to result from a number of recent developments in the industry. Definite interest is apparent in the new short staple fibre already popular in Europe, and experiments in the use of rayon as a tire fabric are proceeding.

There are three basic methods for producing artificial silk in America: (1) Cellulose acetate, (2) Cellulose Xanthate (Viscose) and (3) Cuprammonium.

The largest volume of rayon is produced by the Cellulose Xanthate process, but observers report that cellulose acetate yarns made by far the largest gains last year.

USE WOOD OIL AND FLAKE MICA TO SOLVE COATING PROBLEMS

Two recent patents for coating compositions represent unique attempts to solve several problems of long standing.

Under the first patent, chinawood oil is made compatible with nitro-cellulose and the usual solvents and plasticizers, by blowing with air at a temperature between 100° and 280° C. in the presence of small percentages of sulfur. Lacquers formulated with the blown oil are said to rank high in alcohol proofness.

In the second patent, advantage is taken of the leafing and overlapping action of mica flakes in combination with resin varnishes to provide a lining or a coating for foodstuff cans. Films thus fortified are claimed to be much harder and abrasion resistant as well as having greater resistance to fruit acids, steam and alkalies met in food processing.

Charts illustrating a simple method for determining the amount of liquid in a 54-gal. drum may be secured by writing to U. S. I.

NEW LACQUER COATING FOR PAPER REFLECTS 94 PER CENT OF LIGHT

Low Grade Papers May Be Utilized; Possible to Print on Lacquered Surface

Paper which will reflect 94 per cent of all light can now be produced with a special lacquer recently perfected by a large ink and varnish manufacturer. Regarded as one of the most significant advances yet made by the paper coatings industry, the newly patented process is expected to have immediate commercial importance.

Not only do the latest and most exact tests with spectrophotometric equipment indicate that this is a "whiter" white than that of any other paper surface, varnished or otherwise, but other properties give it several advantages.

The lacquered stock has a brilliant and glossy surface, while sheets are highly flexible and moisture resistant. Moreover, paper so treated is exceptionally well adapted to printing. Tests have shown that ink requirements can be kept at a minimum because of the smooth, non-absorbent surface produced, and low grades of paper can be utilized. The coated surface need not be sprayed with varnish or clear lacquer after printing.

Special Effects Possible

Varied effects for different types of work are possible by the addition of modifying agents to the liquid. Special inks which will dry almost instantly to either a dull or gloss finish are available to increase the number of combinations which may be obtained.

A wide field of applications is foreseen. Labels, magazine inserts, decorative wrapping paper, bags, box coverings and packages will undoubtedly be some

(Continued on next page)

PAUL HARRISON RETIRES

Marking close to a half century of service, Paul Harrison brings to a close on January 1, 1937, one of the longest and most active careers in the alcohol industry. He retires as Sales Manager of the New York division of the U. S. Industrial Alcohol Co. and as President of James A. Webb & Son, a subsidiary company of U. S. I.

Mr. Harrison entered the alcohol field in 1890 when he joined James A. Webb & Son, which was founded in 1835. As Sales Manager of Webb, Mr. Harrison was laying the foundation for his wide knowledge of buyers' problems that served him so well in future years. His brother, F. M. Harrison, later to become U. S. I. President, was also connected with Webb.

When the House of Webb became a part of U. S. I. in 1915, the move was hailed as a happy combination of the best traditions and distributing experience of "Webb" and the great technical and manufacturing resources of U. S. I. Mr. Paul Harrison assumed his new duties as N. Y. Sales Division Manager with a growing number of problems confronting the industry. The heavy burden of sales and shipments of war-time alcohol fell upon his shoulders. In recent years his counsel won him high esteem among friends and associates.

AS CHEMICAL ENGINEERS VISIT CURTIS BAY PLANT

The Staff of the Curtis Bay Plant of U. S. I. was host to several hundred members of the American Institute of Chemical Engineers during their convention in Baltimore. Under the guidance of U. S. I.'s Vice-President Backus in Charge of Production, the engineers viewed the operation of a large industrial alcohol plant, including the largest anhydrous alcohol installation in this country.

ADVERTISEMENT—*This entire page is a paid advertisement.*

JANUARY ★ **SOLVENT NEWS** ★ 1937

NEW LACQUER COATING

(Continued from preceding page)

of its more important uses. The characteristics of high flexibility make it a suitable coating for paper to be sealed on high speed machines.

Uses No White Pigment

One of the more remarkable features of the coating, is that complete opacity is achieved without the use of any pigment. Applied as a clear liquid, the lacquer develops upon drying what is known to the paper industry as "blush". This property, actually considered a disadvantage in past practice, is utilized in a new manner.

By bringing about a new cellular arrangement, the clear liquid becomes a white opaque coating when dried, which induces marked light scattering characteristics. Pressure causes a further cellular readjustment in the coating and a consequent change in the appearance.

A number of modifications permit the lacquer to be adapted to the widest variety of applications. Permanent tints and shades may be obtained when only a very small amount of dispersed pigment is introduced into the liquid. Since the original lacquer dries to an opaque white, as little as two per cent of full strength toners will produce the desired effect. Metallic powders and pearl essence may be introduced, while special resistant qualities may be imparted by the addition of resins and plasticizers. Other effects are now being studied.

The application of the new lacquer does not involve new and expensive equipment. Conventional paper coating lacquer equipment of the reverse roll or knife type may be used. Drying proceeds in the usual manner, the liquid "setting" in a short time.

Color Graphed and Cabled By Two New Instruments

Evidence that the science of color is gaining sounder footing is provided by two new devices recently announced.

One large printing ink company is now using what is called a recording spectrometer. The instrument, a new invention, is employed for matching and standardizing ink. Exact graphical records of each shade make possible a degree of control not known heretofore.

"Colorcable" is the name given to another machine for transmitting color samples via cable or telegraph. In recent tests, the corporation operating the process was able to cable Paris fashion colors to New York and consummate their sale to a large wholesale chain and its distributors all in a matter of minutes. A number of textile manufacturers have already subscribed to the service.

Make Variety of Hansa Yellows from U.S.I. Intermediates; Acetoacetanilid Most Important

With lower prices for the intermediates, Hansa Yellows are finding an increasingly broader scope of applications. Long known as brilliant colors of high permanence, they have excellent working qualities, particularly on the lithographic press. Alkali fastness is another factor extending their uses. Because of their high tinctorial strength, they are very often used to tone weaker yellows such as chrome yellow. Working qualities of chrome yellows are also improved by blending with Hansa Yellow.

Two important intermediates for the manufacture of Hansa Yellows are manufactured by U. S. I., the well known acetoacetanilid and its substituted form, acetoacet-o-chlor-anilid.

The most widely used shades which can be produced with the two intermediates are Hansa G, 3G, 5G, and 10G.

Acetoacetanilid coupled with diazotized meta-nitro-para-toluidine gives Hansa Yellow G, a lemon shade at present the most popular. If para-chlor-o-nitraniline is used in place of meta-nitro-para-toluidine, the 3G shade is formed.

Acetoacetanilid is also employed to manufacture 5G which is slightly lighter than G. Ortho-nitraniline is the other intermediate entering into this reaction.

Acetoacet-o-chlor-anilid combined with diazotized para-chlor-o-nitraniline gives Hansa Yellow 10G, a light canary shade.

In addition to acetoacetanilid and acetoacet-o-chlor-anilid, U. S. I. is now in a position to offer para-chlor-o-nitraniline. U. S. I. chemists are also pursuing studies on other modifications of acetoacetanilid.

TECHNICAL DEVELOPMENTS

The items in this column are gathered from many varied sources. Further information may be obtained by writing to U.S.I.

U S I

Fire-resistant canvas duck is available either as a finished fabric or as a separate finish which can be applied either by painting or spraying, announces a manufacturer. The product is said to be the result of 10 years' research.

U S I

Synthetic pitch with a wide range of melting points and a color span from black to very light shades has been perfected, according to a manufacturer's recent announcement. Adaptability to the individual needs of the roofing, paint and plastics industries is supplied with 26 different types.

U S I

Regulation of air pressures less than 30 lbs. per sq. in. to a new degree of sensitivity is reported for a new model regulator. A sensitivity approximately six times that of standard types is credited to a 4 in. diaphragm which is clamped between two brass castings.

U S I

Adhesives produced with a new water-soluble synthetic resin are expected to find wide application in the manufacture of plywoods, plastic moldings, paper and textiles. Very little water is necessary to plasticize the resin for use, it is claimed. After heat treatment, the resin becomes permanently hard and has a high resistance to water and weather at ordinary temperatures.

U S I

Galvanized sheet metal which can be painted without special treatment of the surface has been developed. The manufacturer states that the sheets have the protection of a special insulating coating that keeps the paint from direct contact with the zinc coating. The sheets are supplied in regular and extra smooth finishes.

U S I

Lithographic varnish prepared by a new method is claimed to be free from oxidation and gel structure. Improved color and better wetting properties are also attributed to the new process.

U S I

An instrument for measuring the thickness of a paint film on metal by stylus penetration is said to be sensitive and fool-proof. An electrically operated amplifying unit magnifies the feeble current as soon as metal-to-metal contact has been established.

U.S. INDUSTRIAL ALCOHOL CO.
INDUSTRIAL CHEMICAL CO., INC.

WORLD'S LARGEST PRODUCERS OF ALCOHOL DERIVED SOLVENTS

ALCOHOLS
Amyl Alcohols
Refined Amyl Alcohol
Refined Fusel Oil
Secondary Amyl Alcohol
Ethyl Alcohols
Specially Denatured—All Formulas
Completely Denatured—All Formulas
Anhydrous-Denatured
Absolute—Pure
C.P. 96%—Pure and Denatured
Solox—The General Solvent
Super Pyro—The Rustproof Anti-freeze
Pure (190 Proof)—Tax Paid, Tax Free

ALCOHOLS
Butyl Alcohols
Normal and Secondary
Methyl Alcohol

ANSOLS
Ansol M
Ansol PR

ETHERS
Ethyl Ether
U.S.P. and Absolute (A.C.S.)

NITROCELLULOSE SOLUTIONS
Collodions
U.S.P., U.S.P. Flexible and Photo
Cotton Solutions

ESTER SOLVENTS
Acetic Ether
Amyl Acetates
High Test
Commercial
Technical
Secondary
Butyl Acetates
Normal
Secondary
Diatol
Diethyl Carbonate
Estersols
Ethyl Acetates
85-88%, 99%, and U.S.P.
Ethyl Lactate

PLASTICIZERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER PRODUCTS
Acetoacetanilid
Ethyl Acetoacetate
Ethyl Chlorcarbonate
Ethyl Oxalate
Ethylene
Sodium Oxalacetate
Acetone
Methyl Acetone
Curbay Binder
Potash By-products

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities

Amyl acetate, secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, bots.....lb. .90 - 1.00
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works. lb. .56 - —
small lots, works.....lb. .68 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Nitrite, bots.....lb. 1.80 - 1.85
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, cans.....lb. .65 - 1.25
Stearate, dms., l.c.l. works..lb. .26 - —
Amylene, dms, c.l.....lb. .102 - —
l.c.l. .....lb. .11 - —
tanks .....lb. .09 - —
Anethol, bots.....lb. 1.05 - 1.10
Angelica root, dom., bls.....lb. .23 - .35
import, natural, bls.....lb. .40 - .45
twisted, bls.....lb. .50 - .52
Angostura bark, bls.....lb. .35 - .36
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14 - —
Salt, dms., works.....lb. .22 - .24
Anise, Russian, bgs.....lb. .09½- .11
Spanish, bgs.....lb. .13 - .13½
Star, bgs.....lb. .11½- .12
Anisic aldehyde, bots.....lb. 2.75 - 3.00
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .07 - .08
Anthraquinone, 99.5%, subl., bbls. lb. .50 - .53
Antimony, butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, dom.....lb. .13¼- —
import., c.i.f., duty paid...lb. .14 - —
Needle, powd., bbls.....lb. .11½- .12
Oxide, dom., bbls., c.l.....lb. .13 - .13¼
l.c.l. .....lb. .13¾- —
import, bbls.....lb. .14 - —
Salts, 65%, kgs.....lb. .22 - .23
Sulphuret, golden, bbls.....lb. .22 - .23
White pigment, bgs., Texas works, frt. alld. to ½c. lb. c.l..lb. .10¼- .13¼
Antipyrene, cns., ton lots.....lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.15
Apomorphine, cns. .....oz. 23.70 -23.90
Archil extract, conc., bbls.....lb. .21 - .27
double, bbls. .....lb. .18 - .20
triple, bbls. .....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots., vis..oz. 6.25 - 6.50
Argols, crude, 80%, csks.....lb. .07 - .08
80-85%, csks.....lb. .14 - .15
Arnica flowers, bls.....lb. .27 - .28
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .09¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), bots., jars..lb. 5.15 - 5.20
Metal, lump, cs.....lb. .42 - .48
Red, import., cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, liq., bot..lb. 1.85 - —
Asafetida, cs.....lb. .18 - .19
powd., bbls., bxs.....lb. .32 - .35
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.87.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (30 tons)..Canad. mines..ton.27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N.Y..lb. .03½- —
AA, bgs., 20 tons, f.o.b. N. Y...lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b.N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban, A., bxs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b.N.Y.....ton.90.00 - —
B, bxs., c.l., f.o.b.N.Y....ton.35.00 - —
l.c.l., f.o.b.N.Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b.N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs. c.l., Colo. points.....ton.32.90 - —
seconds, bgs., c.l., Colo. points .....ton.25.50 - —
selects, bgs., c.l., Colo., Utah points..ton.30.50 - —
l.c.l., f.o.b., or N.J. or N.Y., whse..ton.49.50 - —
Maltha, dms., c.l., f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b.N.Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery .....ton.21.00 - —
tanks, refinery .....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery.....gal. .05102- —
East Coast, refinery..gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery .....gal. .07¼- —
Atropine, vis.....oz. 5.25 - 5.50
Sulphate, vis.....oz. 2.25 - 2.35

B

Balm of Gilead buds, bgs....lb. .21 - .23
Barberry bark, bgs.....lb. .10 - .11
Root bark, bls.....lb. .16 - .17
Barbital, cs. .....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works, ton.42.00 - —
99% 200 mesh, bgs., c.l., works..ton.45.00 - —
Barium carbonate, precip., bgs., bbls., c.l., works..ton.52.50 -57.50
l.c.l., works.....ton.57.50 -62.50
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Barium chlorate, kgs.....lb. .15½- .17½
Chloride, CP., cryst., bbls...lb. .18 - .20
tech., dom., cryst., bbls., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Arkansas line.ton.72.00 -74.00
l.c.l., same basis....ton.85.00 -87.00
Zone 2, bgs., bbls., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.....ton.76.00 -78.00
l.c.l., same basis....ton.89.00 -91.00
Zone 3, bgs., bbls., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 -84.00
l.c.l., same basis....ton.95.00 -97.00
Zone 4, bgs., bbls., c.l., dlvd. Wash., Ore., Calif., Nev.....ton.78.00 -80.00
l.c.l., same basis....ton.91.00 -96.00
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .15 - .16
Fluosilicate, bbls.....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots.....lb. 4.40 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms.....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls .....lb. .18 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex wrhse., Boston. ton.36.00 - —
Chicago .....ton.30.85 - —
Cleveland .....ton.33.50 - —
New York .....ton.32.00 - —
paper bgs., c.l., St. Louis. ton.22.85 - —
l.c.l., ex car, Baltimore. ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex. wrhse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.85 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.95 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 -
Barytes, German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex wrhse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock. ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex wrhse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....gal. .70 - .75
Bayberry bark, bgs.....lb. .07½- .08
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .11 - .13
Bentonite, 1, 90% 300 mesh, bgs., Wyo. works..ton.16.00 - —
2, 92%, 300 mesh, bgs., Wyo. works..ton.11.00 - —
Benzaldehyde, tech., dms.....lb. .60 - .63
USP. IX, dms.....lb. 1.10 - 1.20
USP. X, dms.....lb. 1.30 - 1.35
Benzene (see benzol)
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms, works .....gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Bonzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms. .....lb. .25 - .26
Formate, cns. .....lb. 2.75 - 3.50
Benzylidin acetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, bots.....lb. 13.00 - —
Hydrochloride, bots. .....lb. 13.00 - —
Sulphate, bots.....lb. 14.75 - —
Berberis root, bls.....lb. .10 - .11
Betanaphthol, subim., bbls....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, bxs., kgs.....lb. 2.35 - 2.50
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .12 - .14
Bismuth chloride, bxs.....lb. 3.20 - 3.25
Citrate, USP, VIII, bxs.....lb. 2.65 - 2.70
Hydroxide, bxs.....lb. 3.15 - 3.20
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., jrs.....lb. 1.20 - 1.25
Oxychloride, bxs.....lb. 2.95 - 3.00
Subbenzoate, bxs.....lb. 3.25 - 3.30
Subcarbonate, fib. dms.....lb. 1.40 - 1.45
X-ray, bots., fib. dms.....lb. 2.00 - 2.05
Subgallate, bbls.....lb. 1.50 - 1.55
Subiodide, bots.....lb. 3.88 - 3.92
Subnitrate, powd., bots., fib. dms..lb. 1.30 - 1.35
Subsalicylate, 62-66%, bbls...lb. 2.35 - 2.40
Sulphocarbolate, bots.....lb. 3.60 - 3.65
Trioxide, powd., bxs.....lb. 3.45 - 3.50
Bismuth-ammonia citrate, USP, powd., cns..lb. 3.30 - 3.35
Bismuth-betanaphthol, bxs.....lb. 3.05 - 3.10
Black, bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .15 - —
l.c.l., frt. alld. E.....lb. .15½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
4, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld. E. lb. .08 - —
l.c.l., frt. alld. E.....lb. .08¼- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd. .....lb. .07¼- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08¼- —
l.c.l., dlvd. .....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
Black, carbon, special 3, bgs., c.l., works..lb. .13 - —
l.c.l., dlvd. .....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
l.c.l., dlvd. .....lb. .30 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l. works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., delvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra). lb. .0445 - —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475 - —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
30,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0505- —
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)..lb. .0505 - —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0535 - —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .07 - —
ctns., l.c.l., dlvd. all zones. lb. .07½- —
cs., l.c.l., dlvd. all zones..lb. .08½- —
export, full, compred., cs., f.a.s. Gulf ports..lb. .06¼ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08¼
2, bbls., l.c.l., works...lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
C, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l, f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
l.c., f.o.b. N. Y. ...lb. .15 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y. ...lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N.Y.lb. .04¼- —
B, bbls., works or N. Y....lb. .05¼- —
Black dyes are listed under Dyes.
Black haw root bark, bls.....lb. .23 - .25
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs, c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis.....ton.75.00 - —
pulp, 60%%, bulk, c.l., works. ton.40.60 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-17% ammon., bulk, f.o.b. N. Y. unit-ton. 4.25 - —
high-grade, grd., 16-17% ammon., bulk, f.o.b. Chi. unit-ton. 4.50 - —
import, bgs., c.i.f. ports, shipt., unit-ton. No Prices.
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1¼c. higher dlvd. Tex. (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.
Bronze, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .15
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 9).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 4.75 - —
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis.....lb. .17 - —
3, bbls., same basis.....lb. .18 - —
4, bbls., same basis.....lb. .19 - —
5, bbls., same basis.....lb. .22 - —
6, cobalt, A., same basis.lb. .26 - —
B, bbls., same basis..lb. .23 - —
C, bbls., same basis..lb. .23 - —
D, bbls., same basis..lb. .21 - —
T, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis.....lb. .19 - —
3, bbls., same basis.....lb. .21 - —
4, bbls., same basis.....lb. .22 - —
5 bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .26 - —

Amyl Acetate—Buchu Leaves

Blue, ultramarine, pulp, 1, bbls., same basis..lb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —
Ultramarine, blue, dlvd ex whse. 1c less allgner; Pac. coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs....lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. N.Y., Chicago, Cooper Hill, Tenn. 100 lbs. 4.45 - —
16-25, same basis.100 lbs. 4.60 - —
6-15, same basis..100 lbs. 4.70 - —
3-5, same basis...100 lbs. 4.95 - —
1-2, same basis...100 lbs. 5.15 - —
monohydrated, dms., c.l., dealers, E. of Rockies...lb. .06 - .061
jobbers, E. of Rockies..lb. .08 - .081
l.c.l., dealers, E. of Rockies..lb. .09 - .095
jobbers, E. of Rockies.lb. .085 - .088
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
c.i.f., Atlantic ports..ton.35.00 Nom.
S.A., bgs., c.i.f. ports.ton. No prices.
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.17.00 -19.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.25 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.19.00 -20.00
import, 100-lb. bgs., c.i.f. ports..ton.26.00 - —
Phosphate precip. (see Calcium phosphate, dibasic, precip.)
Borage flowers, bls.....lb. .21 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.56.00 - —
c.l., dlvd.....ton.60.00 - —
l.c.l., ex whse.....ton.65.00 -70.00
sks., contracts, 80 tons min., dlvd..ton.46.00 - —
c.l., dlvd.....ton.50.00 - —
l.c.l., ex whse.....ton.55.00 -60.00
gran., bbls., contracts, 80 tons min., dlvd..ton.50.00 - —
c.l., dlvd.....ton.54.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
sks., contracts, 80 tons min., dlvd..ton.40.00 - —
c.l., dlvd.....ton.44.00 - —
l.c.l., ex whse.....ton.49.00 -54.00
powd., bbls., contracts, 80 tons min., dlvd..ton.55.00 - —
c.l., dlvd.....ton.59.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.45.00 - —
c.l., dlvd.....ton.49.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers, East of Rocky Mts. lb. .09½- —
consumer, East.....lb. .10 - —
l.c.l., dealers, dms., East, 1,000 lbs. and over..lb. .10 - —
96 to 1,000 lbs.....lb. .10½- —
Single cases.....lb. .11½- —
consumer, East, 1,000 lbs. and up..lb. .10½- —
less than 1,000 lbs....lb. .11 - —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., c.s.,c.l.,works.lb. .36 - —
1,000 lbs., works.....lb. .38 - —
smaller lots, works.....lb. .43 - —
Bromoform, USP, jars.....lb. 1.75 - 1.80
Bronze powder, aluminum (see A).
Gold, lithe, cns., dms., over 10 lbs..lb. .40 - .45
moulding, cns., dms., over 10 lbs..lb. .55 - .60
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks, f.o.b. N.Y. or works...lb. .12¾- —
Metallic, bbls., works.....lb. .0215- —
paper bgs., c.l., works.....lb. .02 - —
Sienna, burnt, American, bbls., works..lb. .06 - —
Italian, 1, bbls., f.o.b. N.Y. or Pa. points.....lb. .13 - —
2, bbls., same basis.....lb. .11 - —
3, bbls., same basis.....lb. .10 - —
4, bbls., same basis.....lb. .09½- —
5, bbls., same basis.....lb. .08½- —
6, bbls., same basis.....lb. .08 - —
7, bbls., same basis.....lb. .07½- —
8, bbls., same basis.....lb. .07½- —
9, bbls., same basis.....lb. .07 - —
10, bbls, same basis....lb. .06½- —
11, bbls., same basis....lb. .06½- —
12, bbls., same basis....lb. .06 - —
13, bbls., same basis....lb. .05½- —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works. lb. .02½- —
Italian, 1, bbls., f.o.b. N.Y. or works.....lb. .12¾- —
2, bbls., same basis.....lb. .10½- —
3, bbls., same basis.....lb. .10 - —
4, bbls., same basis.....lb. .09½- —
5, bbls., same basis.....lb. .08½- —
6, bbls., same basis.....lb. .08½- —
7, bbls., same basis.....lb. .07½- —
8, bbls., same basis.....lb. .07 - —
9, bbls., same basis.....lb. .06½- —
10, bbls., same basis....lb. .05½- —
11, bbls., same basis....lb. .04½- —
Umber, American, bbls., works. lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04½- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle.lb. .04½- —
ex whse, Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04½- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle lb. .04½- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .06 - —
Brucine, cns.....oz. .10 - .11
Sulphate, cns.....oz. .07 - .08
Bryonia roots, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .58 - .60

Buckthorn—Chillies

Buckthorn bark, true, bls.....lb. .04 - .05
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .03½- —
l.c.l., dlvd. E.....lb. .05 - —
import., stands.....lb. .11 - .13
Butanes, coml., 16-32°, tanks, group 3..gal. .02½- .03¾
Butternut bark, bls.....lb. .06½- .07
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09- —
secondary, dms.. c.l., frt. pd. E. of Rocky mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Acohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .19 -
l.c.l., works.....lb. .21 - —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- .23½
Propionate, dms., dlvd.....lb. .18 - .18½
tanks, dlvd.....lb. .17 - —
Butyric ether, dms.....lb. .80 - .85

C

Cadmium bromide, bots., jars.lb. 1.39 - 1.44
Iodide, bots., jars.....lb. 3.65 - 3.70
Lithopone (see Yellow).
Metal, cs.....lb. 1.05 - —
Red (see Red).
Cadmium, selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb., dms; 10,000 lbs. or more..lb. 2.05 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb., dms., 10,000 lbs., or more..lb. 2.08 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.18 - —
100 lbs.....lb. 2.28 - —
25 lbs.....lb. 2.40 - —
10, lb., cns., 10,000 lbs., or more..lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5 lb., cns., 25 lbs., or more..lb. 2.40 - —
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots., jars...lb. 4.82 - 4.87
Calabar beans, bgs.....lb .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
Calcium acetate, bgs., dlvd..... 100 lbs. 2.10 - —
Arsenate, dms., c.l., consumers, lb. .06½- —
dealers .....lb. .06¾- —
1,000 lbs. and up, dms., consumer..lb. .07 - —
dealers, dms.....lb. .06¾- —
less than 1,000 lbs., consumer, dms..lb. .07½- —
dealers, dms.....lb. .07¼- —

Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.

Bromide, jar.....lb. .60 - .65
Carbide, dms.....lb .05 - .06
Carbonate (see Chalk and Whiting)
Calcium chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.60 - 2.25
Gluconate, pharm., gran., powd., bbls. (125 lbs.)..lb. .50 - —
25 lbs.....lb. .57 - —
Glycerophosphate, bbls., kgs., 100 lbs..lb. 1.15 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots.. jars.....lb. 3.70 - 3.75
Lactate, USP, bbls.....lb. .25 - .26
Nitrate, bgs., to fert. mfrs., ex vessel..ton.26.10 - —
Palmitate, bbls.....lb. .21 - .22
Phosphate, dibasic, precip., 38-42% P_2O_5, c.l.f. Atlantic ports..unit-ton. .70 - —
tri-basic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh, c.l., works..ton.52.00 - —
l.c.l works.....ton.56.00 - —
88/85 CaC c.l., works..ton.58.00 - —
l.c.l., works .....ton.64.00 - —
luminous, dom., tins, works, 100 lbs..lb. .85 - —
smaller lots .....lb. 1.00 - —
Calcium sulphocarbolate, cs...lb. .47 - .48
Calenduia flowers, bls.....lb. .55 - .60
Calomel, bxs., kgs.....lb. 1.40 - —
Camphor, natural, powd., cs..lb. .52 - .53
slabs, cs.....lb. .52 - .53
tablets, tins.....lb. .57 - .58
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .48 - —
500 lbs.....lb. .50 - —
100 lbs.....lb. .51 - —
tablets, cs., 2,000 lbs.....lb. .54 - —
500 lbs. .....lb. .56 - —
100 lbs. .....lb. .57 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs...lb. .05⅞- .06¼
Morocco, bgs.....lb. .06 - .06½
Turkish, bgs.....lb. .05¾- .06¼
Canella alba bark, bls.....lb. .37 - .38
Cannabis herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .60 - .65
powd., bxs.....lb. .85 - .90
Russian, cs. .....lb. 1.40 - 1.45
powd., bxs.....lb. 1.80 - 1.85
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .08¼- .08¾
Carbazole, 70-80%, dms.....lb. .60 - —
90%, dms.....lb. .89 - —
98-99%, dms.....lb. .92 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .53 - —
l.c.l., works .....lb. .54 - —
tanks, works .....lb. .52 - —
Methylpropyl, dms., works...lb. .60 - —
smaller lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, dms.....lb. .05¼- .05½
tanks .....lb. .04½- —
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. river, N. of Ohio river, including Ky., Va., W. Va..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same-basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 2c. lb. higher.
Cardamon, bleached, cs.....lb. 1.10 - 1.30
decorticated, cs.....lb. 1.30 - 1.40
green, bgs.....lb. .94 - .98
Carvoi, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 45%, gran., dms., l.c.l.....lb. .11⅞- —
lump, dms., l.c.l.....lb. .10⅝- —
80%. lump, dms. l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.....lb. .19½- —
5 tons, works.....lb. .19¾- —
smaller lots, works.....lb. .20¾- —
80-100 mesh, bgs., c.l., dlvd.. lb. .20 - —
5 tons, works.....lb. .20¼- —
smaller lots, works.....lb. .21¼- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .19½- —
80-100 mesh, bgs., c.l., duty pd..lb. .20 - .20½
French, 30 mesh, bgs., c.l., duty pd..lb. No prices.
Cassia, Batavia, 1, bgs.....lb. .13½- .14
3, bls.....lb. .07½- .08
short, stick, bls.....lb. .11½- .12
China, rolls, select, cs.....lb. .05¼- .05¾
broken, extra bls.....lb. .04 - .04½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .14½- .15
Cassia, fistula, bskts.....lb. .09 - .10
Castile soap, white, bars, cs., 40 lbs.20.00 - —
powd., bbls.....lb. .28 - .34
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor)
Pomace, dom., 5½% ammon., bgs., c.l., works.....ton.20.00 - —
import, bgs., c.l.f.,ports, shipment..ton No prices
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .21½- .22
Indian, bgs.....lb. .17¼- .17¾
Celluloid scrap, amber, cs.....lb. .12 - .13
black, cs., works.....lb. .08 - .09
China white, ivory, cs., works. lb. .12 - .13
dense white, cs., works....lb. .11 - .12
grey, cs., works.....lb. .09 - .10
mixed, mottles, opaques, cs., works..lb. .05 - —
shell-demi, cs., works.....lb. .09 - .10
translucent pastels, cs., works. lb. .13 - .14
transparent, cs., works....lb. .12 - .13
colors, cs., works.....lb. .08 - .09
Shavings, amber, cs., works.lb. .13 - —
colored, mixed, cs., works..lb. .09 - —
white, cs., works.....lb. .12 - —
Cellulose acetate, flake, cs., 2,000 lbs., works..lb. .55 - —
1,000 lbs., works.....lb. .56 - —
500 lbs., works.....lb. .57½- —
100 lbs., works.....lb. .60 - —
scrap, transparent,bgs.,works. lb. No stocks
Cement, white, bbls. (4 bags), 3 tons, dlvd. N.Y...bbl. 6.10 - —
less than 3 tons, truck dlvy. bbl. 8.00 - —
Cerium hydrate, dms., works..lb. .65 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk, precip., ext. light, csks., c.l..lb. .03 - .04
heavy, csks., c.l.....lb. .03 - .04
light, csks., c.l.....lb. .02 - .04
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .28 - .30
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill., Wis.....ton.27.00 - —
Indiana .....ton.28.00 - —
Mich., Ohio, Penn..ton.29.80 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls..lb. .01625- —
tanks .....lb. .02 - —
powd., bgs., works.....lb. .04⅛- —
Chillies (see Pepper, red).

MOUNT COLUMBIA • CANADA

PURITY

COLUMBIA

SODA ASH
CAUSTIC SODA
SODIUM BICARBONATE
MODIFIED SODAS
CALCIUM CHLORIDE
LIQUID CHLORINE

ETERNAL SNOW crowns the summit of Mount Columbia, Queen of the Canadian Rockies. • From the plant of another Columbia, . . . THE COLUMBIA ALKALI CORPORATION, ...come man-made products which vie with Nature for purity and whiteness. • Specify COLUMBIA for a Happy New Year.

Send for new folder on COLUMBIA Liquid Chlorine and COLUMBIA Sodium Bicarbonate.

THE COLUMBIA ALKALI CORPORATION

EXECUTIVE SALES OFFICES 30 ROCKEFELLER PLAZA • NEW YORK, N. Y.
Branch Sales Offices • BARBERTON, OHIO • 451-451 ST. CLAIR STREET, CHICAGO
CAREW TOWER, CINCINNATI • GRANT BLDG., PITTSBURGH • Plant at Barberton, Ohio

China clay, dom., dry-grd., air-float, 90.75% 300 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.00 -15.00
bulk, c.l., works..ton. 6.00 - —
99.75% 200 mesh, bgs., c.l., works..ton. 7.50 - —
l.c.l., works.....ton. 8.50 -14.00
wet-grd., silk-bolt, 99.9% 325 mesh, bulk, c.l., works, ton. 8.00 - —
paper bgs., c.l., works, ton.10.50 - —
import., white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila, ton.22.00 -25.00
powd., csks., l.c.l., ex dock ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .96
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .89 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y...lb. .06½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equald... 100 lbs. 2.55 - —
1, works, frt. equald... 100 lbs. 3.00 - —
Chloroacetophenone,tins,works.lb. 2.00 - —
Chloroform, tech., 650-lb. drums. lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. tins.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml., cyls., works, lb. .85 - .90
Chrome acetate, bbls.....lb. .05 - .08
Cake, bulk., c.l., works....ton.11.00 -12.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, bxs., cns., fib. dms..lb. .40 - .45
powd., bxs., cns., fib. dms. lb. .40 - .45
scales, bxs., cns., fib. dms.lb. .45 - .50
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 1 3.50
Cinchona bark, chips, bgs....lb. .20 - .22
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .20 - .22
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, cryst., powd.,cns.oz. .80 - .85
Sulphate, cns.....oz. .47 - —
Cinchonine, cryst., powd., cns.oz. .50 - .55
Sulphate, cns.....oz. .34 - —
Cinchophen, USP., bbls.....lb. 3.00 - —
bxs., dms., kgs.....lb. 3.05 - 3.10
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, f.f.c., bots.....lb. 1.55 - 2.00
Cinnamon, Ceylon, 2, bls.....lb. .15¾- .16¼
3, bls.....lb. .15¼- .15¾
Citral, cns.....lb. 1.75 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots.....lb. 1.10 - 1.25
Citronellol, bots.....lb. 1.80 - 1.90
Clove, Madagascar, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .16 - .16½
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
water-gas, crude, dms., c.l., works..dm. 6.75 - —
l.c.l. works.....dm. 7.50 - —
tanks, works.....gal. .07 - .08
refd., dms., c.l., works..dm. 7.25 - —
l.c.l. works.....dm. 8.00 - —
tanks, works.....gal. .08 - .09
Cobalt acetate, bbls., dlvd.....lb. .58 - .60
kgs., dlvd.....lb. .65 - —
Carbonate, tech., bbls., dlvd.lb. 1.42½- —
Chloride, dms., works.....lb. .67¾- .72¾
Hydrate, bbls.....lb. 1.66 - 1.70
Linoleate, paste, 6%, dms...lb. .31¼- —
solid, 8½%, bbls.....lb. .32½- —
Oleate, bbls.....lb. .26 - —
Oxide, black, kgs.....lb. 1.41 - 1.51
Resinate, fused, A. bbls.....lb. .13 - —
1%, bbls.....lb. .12½- —
2%, bbls.....lb. .16½- .17
3%, bbls.....lb. .17½- .18
precip., dms., dlvd.....lb. .30½- —
Sulphate, dms.....lb. .51 - .58
Cocaine hydrochloride, cns....oz. 9.75 -10.00
Cochineal, gray, bgs.....lb. .32 - .36
Teneriffe, silver, bgs.....lb. .33 - .37
Cocillana bark, bgs.....lb. .20 - .21
Cocoa butter, lump, bgs., c.l..lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 -11.75
Hydrochloride, cns., 100 ozs..oz.10.50 -10.55
Phosphate, cns., 100 ozs....oz. 9.00 - 9.05
Sulphate, cns., 100 ozs.....oz. 9.50 - 9.55
Codliver oil (see Oil, codliver)
Cohosh, black, root, bls.....lb. .07½- .08
Blue, root, bls.....lb. .06 - .07
Colchicine, vls.....oz.24.00 -25.00
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms.....lb. .12 - .13
Flexible, USP, dms.....lb. .14 - .15
Colocynth pulp, bls.....lb. .77 - .78
Colombo root, bls.....lb. .12 - .13
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. .28 - .29
S.A., USP, cns.....lb. .30 - .31
Copper carbonate, 52-59%, bbls.lb. .14½- .16¼
18-20%, bbls.....lb. .07 - .08
Chloride, bbls.....lb. .17 - .18
Cyanide, tech., bbls.....lb. .37 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .12 - —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .15¼- —
smaller, lots, works....lb. .15¾- —
Red, com'l, 50-75%, kgs., c.l., f.o.b. N.Y...lb. .14 - —
l.c.l., f.o.b. N. Y....lb. .15 - —
Resinate, precip., bbls....lb. .18 - .19
Stearate, precip., bbls.....lb. .35 - .40
Sulphate (see Blue vitriol)
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works... 100 lbs. 1.35 - —
5-24, works .....100 lbs. 1.50 - —
1-4, works .....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -13.00
Copra, bgs., Pacific Coast.....lb. .0535 Nom.
Coriander seed, Morocco, bgs..lb. .04 - .04½
bleached, bgs.....lb. .06¼- .06¾
Russian, bgs, lbs.....lb. No stocks.

Corn sugar, tanners, bbls., dlvd. 100 lbs. 3.58 - —
ex whse.....100 lbs. 3.78 - —
Syrup, 42°, bbls.....100 lbs. 3.80 - —
43°, bbls.....100 lbs. 3.90 - —
Cornsilk, bls.....lb. .07½- .08
Corrosive sublimate, cryst., bxs., fib, dms., kgs...lb. 1.20 - —
gran., bxs., fib. dms, kgs....lb. 1.05 - —
powd., bxs., fib. dms., kgs...lb. 1.05 - —
Cottonroot bark, bls.....lb. .12 - .13
Cottonseed hull ash, 25-30% pot-ash bulk, dlvd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .21
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .15 - —
kgs.....lb. .15½- —
smaller lots, bbls.....lb. .15½- —
kgs.....lb. .16 - —
Creosote, wood, beech., bots..lb. .70 - .75
pine, dms.....gal. .26 - —
USP, bots.....gal. .45 - .47
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13 - .13½
Coaltar solution, tanks, works gal. .113 - .126
refd., bbls., c.l., works..gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18¼
Cresol, US.P, dms., c.l., works.lb. .10 - —
l.c.l., same basis.....lb. .10½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipm't., f.o.b. N. Y. C., fr't., equal'd., with shipm'ts., from Newark, Balto., and West Coast ports.....lb. .28 - —
30,000 lbs., contract, same basis..lb. .28½- —
10,000 lbs., same basis.lb. .29 - —
2,000 lbs., same basis.lb. .30 - —
200 lbs., same basis..lb. .33 - —
less than 200 lbs., same basis..lb. .36 - —
4% rotenone prices 5c. per lb. less.
Cubeb berries, XX, bgs.....lb. .34 - .35
powd., cs.....lb. .38 - .39
Culver's root, bls.....lb. .16 - .17
Cumin seed, Algerian, bgs....lb. .08½- .09
Indian, bgs.....lb. .08¼- .08¾
Morocco, bgs.....lb. .08¾- .09¼
Cutch, Philippine, bls., c.l....lb. .04 - —
Cyanamide, 21-22% N., dom., pulv., bgs., f.o.b. Gulf ports, dlvd. interior, NH_3unit. 1.10 - —
Atlantic ports,NH_3 unit. 1.05 - —
Cyanide-chloride mixture, 75% gran., dms..lb. .16 - .17
lump, dms.....lb. .14 - .15

D

Damiana leaves, bls.....lb. .13 - .14
Dandelion root, German, bls..lb. .23 - .25
Deertongue leaves, bls.....lb. .11 - .12
Degras, common, dom., bbls...lb. .07¾- .08
English, bbls.....lb. .07¾- .08
neutral, dom., bbls.....lb. .11½- .13
English, bbls.....lb. .11½- .13
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., fr't., equal'd with shipments from Newark, Balto., and West Coast ports.....lb. .30 - —
30,000 lbs., contract, same basis..lb. .39½- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
200 lbs., same basis..lb. .44 - —
less than 200 lbs., same basis..lb. .47 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British gum, bgs., c.l., f.o.b. Chicago..100 lbs. 4.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.55 - —
white, bgs., c.l., f.o.b. Chicago 100 lbs. 4.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.50 - —
Potato, import., bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
oxalate, dms., l.c.l., works...lb .30 - —
Diamyl phthalate, dms., c.l., dlvd. lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .18½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., l.c.l. works lb. .75 - —
Diamylene, dms., c.l., works lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works .....lb. .085 - —
Dianisidin, bbls.....lb. 2.25 - 2.45
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -160.00
import., bgs., c.l., f.o.b. N.Y. ton.40.00 - —
Dibutyl phthalate, dms.....lb. .19½- .20
Tartrate, dom., dms.....lb. .35 - .40
import., dms. .....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic)
Dichloroethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentanes, dms., c.l., works..lb. .032 - —
l.c.l., works .....lb. .04 - —
tanks, works .....lb. .025 - —
Diethanolamine, dms. .....lb. .31 - .35
Diethyl carbonate, coml., dms.lb. .31⅝- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbino)
Phthalate, dms., c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —
tanks .....lb. .17 - —
Diethylanilin, dms.....lb. .50 - —
Diethylene oxide, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Diethyleneglycol, dms., c.l., works lb. .18 - —
l.c.l., works .....lb. .19 - —
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —

Diethyl sulphate, dms., c.l., works..lb. .13 - —
l.c.l., dms., works.....lb. .14 - —
tanks .....lb. .12 - —
Digitalis leaves, dms.....lb. .26 - .30
Diglycol oleate, light, bbls....lb. .24 - —
Dillseed, recleaned, bgs.....lb. .06¾- .07¼
Dimethyl phthalate, dms.....lb. .20½- .21
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls. .....lb. .17 - .17½
purified, bbls. .....lb. .19 - .19½
Dinitrochlorobenzene, bbls. ...lb. .14½- .15½
Dinitronaphthalene, kgs. .....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .23 - .24
Dinitrotoluene, dms. .....lb. .14½- .15½
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, dlvd.....lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tar acid oil)
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works .....lb. .20 - .25
Diphenyl, oxide, bots.....lb. .70 - 1.00
Diphenylamine, bbls. .....lb. .31 - .32
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots. .....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.32.00 -35.00
Extract, 25% tan., bbls.....lb. .05 - .05½
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls. .....lb. .08½- .09
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Dubois ine sulphate, vls.....oz.34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet .....lb. .80 - 1.60
165 Lake red C.....lb. 1.15 - 1.25
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered..lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct fast scarlet.....lb. 2.00 - 2.25
364 Paper yellow .....lb. .83 - .90
365 Chrysophenin .....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.50
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
629 Direct yellow R.....lb. 1.25 - 1.50
666 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin (water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive .....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine R (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown ....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
17 Amidoazotoluene yellow—lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 3.00 - —
Violet:—
680 Methyl violet.....lb. 1.30 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S. lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray .....lb. 1.50 - —

China Clay—Ethylidinanilin

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Blue:—
714 Patent blue A.....lb. 1.60 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
224 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
667 Malachite green.....lb. 1.35 - —
962 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange T.....lb. .50 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .43 - —
57 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M.lb. .65 - —
677 Fuchsin .....lb. 1.90 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .82 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.. ..lb. .53 - —
636 Fast light yellow..lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.37 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .21 - .23
Egg albumen (see Albumen).
Yolk, dom., cs.....lb. .63 Nom.
import, cs.....lb. .52 - .55
Elder flowers, bright, bls.....lb. .19 - .20
dark, bls.....lb. .18 - .19
Elecampane root, bls.....lb. .09 - .10
Elm bark, grinding, bls.....lb. .11 - .13
powd., bbls., bxs.....lb. .18 - .20
select, bndls., cs.....lb. .95 - .98
Emetine hydrochloride, bots., vls. oz.15.00 -15.25
Ephedra, bls.....lb. .06 - .07
Ephedrine, tins, 100 ozs.....oz. 1.00 - —
Hydrochloride, tins, 100 ozs..oz. 1.00 - —
Sulphate, cryst., tins, 100 ozs.oz. 1.00 - —
powd., tins, 100 ozs.....oz. 1.05 - —
Epsom salt, tech., bgs....100 lbs. 1.70 - —
bbls. .....100 lbs. 1.80 - —
USP, cryst., dom., bgs., c.l. 100 lbs. 1.90 - —
l.c.l., 5,000 lbs., 1 with-drawal..lb. 2.15 - —
smaller lots.....lb. 2.40 - —
bbls., c.l.....lb. 2.00 - —
l.c.l., 5,000 lbs, 1 with-drawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
kgs., c.l.....lb. 2.25 - —
l.c.l., 5,000 lbs., 1 with-drawal..lb. 2.50 - —
smaller lots.....lb. 2.75 - —
import, bgs.....100 lbs. 2.00 - —
dried, dom., bgs., l.c.l...lb. .06 - .08
Ergot, USP, cs, dms.....lb. 1.50 Nom.
Eserine, bots., vls.....oz.42.00 -42.25
Salicylate, bots., vls.....oz.29.00 -29.25
Sulphate, bots., vls.....oz.30.00 -30.25
Ether, acetic, dms.....lb. .10 - .11
Ethyl (see Ether, sulphuric)
Nitrous, conc., bots.....lb. .75 - .77
Sulphuric, conc., dms.....lb. .09 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb .09 - —
USP, anesthesia, dms.....lb. .26 - .27
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .06½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caprorate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .23 - .24
Cinnamate, bots.....lb. 3.40 - 4.25
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 5.55 - 5.60
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylbenzylanilin, dms.....lb. .86 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.lb. .0545- —
West of Rockies, same basis .....lb. .0595- —
l.c.l., dms., works, E. of Rockies, frt. alld....lb. .0644- —
West of Rockies, same basis .....lb. .0694- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Monoethylether, dms., c.l., works lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .18 - —
l.c.l., works .....lb. .19 - .22
tanks, works .....lb. .17 - —
Ethylidinanilin, dms. .....lb. .45 - .47½

Ethylmethyl K.—Graphite

Ethylmethyl ketone dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.07 -	—
l.c.l., same terms	lb.	.07½-	—
tanks, same terms	lb.	.06 -	—
Ethylorthoparatoluenesulphonamide,	bbls..lb.	.55 -	-
Ethylparatoluenesulphonamide,	bbls..lb.	.60 -	—
Eucalyptol, cns., dms.	lb.	.54 -	.55
Eucalyptus leaves, bls.	lb.	.08 -	.09
Eugenol, cns.	lb.	1.85 -	1.90
Euphorbia, bls.	lb.	.06 -	.06½

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00	-15.00
glass, 20 mesh, bulk, works.	ton.	11.00	-12.25
pottery, bulk, Me. works	ton.	17.00	-19.00
N.C. works	ton.	17.00	-19.00
Fennel seed, French type, bgs,	lb.	.07½-	.08
India bgs.	lb.	.07½-	.08
German, large, bgs.	lb.	.18 -	.19
small, bgs.	lb.	.13 -	.14
Fenugreek seed, bgs.	lb.	.05 -	.05½
Ferric sulphate, dms., works.	ton.	35.00	-40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works	lb.	.12½-	.13
smaller lots, E. works.	lb.	.13½-	.14
light, cs., 1,000 lbs. or over, E. works.	lb.	.14 -	.15
smaller lots, E. works.	lb.	.15 -	.16
water white, cs., 1,000 lbs. or over, E. works.	lb.	.15 -	.16
smaller lots, E. works.	lb.	.16 -	.19
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.			
Fir balsam, Canada, cns.	gal.	3.75	-13.00
Oregon, bbls.	gal.	3.00	- 3.25
Fish berries, bgs.	lb.	.10 -	.11
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.		No Prices
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	56.00	- —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. Cst. factories, contracts	unit-ton.		No prices
sardine, meal, Calif., 12-13% ammon., bgs., c.i.f. E. Cst. ports.	unit-ton.		No prices.
Japanese, 11½% ammon., bgs., c.i.f. ports, shipt., No. 1 grade.	ton.		No Prices
Flake white, bbls., kgs.	lb.	.09¾-	.10¼
Flaxseed, French, black, bgs.	lb.	.12 -	.12½
Indian, blonde, bgs.	lb.	.08½-	.09
Fluorspar, enamel, 96-98%, bgs.,	ton.	31.00	-35.00
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines.	ton.	16.00	Nom.
import., bulk, Atlantic ports, duty-paid.	ton.	22.50	Nom.
lump., 85 and 5%, dom., bulk, f.o.b. Ill., Ky., mines.	ton.	19.00	-20.00
powd., 97%, import., bgs., Atlantic ports, duty-paid.	ton.		No Prices
Formaldehyde, bbls., c.l. works,	lb.	.05¾-	—
l.c.l., works.	lb.	.06¼-	—
dms., c.l., works.	lb.	.05½-	—
l.c.l., works.	lb.	.05¾-	—
tanks, works.	lb.	.04½-	—
Fringetree bark, bls.	lb.	.12 -	.13
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00	- —
import., bgs., c.l., ex dock.	ton.	23.00	- —
l.c.l., ex whse.	ton.	30.00	- —
Furfural, refd., dms., c.l., works,	lb.	.15 -	—
l.c.l., works	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs., works.	lb.	.10 -	—
c.l., works.	lb.	.12½-	—
l.c.l., works.	lb.	.15 -	.20
tanks, works.	lb.	.09 -	—
Fusel oil, refd., dms. incl., dlvd,	lb.	.16 -	.18
Fustic extract, cryst., bbls.	lb.	.20 -	23
liquid, bbls.	lb.	.08½-	.09
solid, dms.	lb.	.16 -	.18

G

G salt, bbls.	lb.	.45 -	.48
Galangal root, bls.	lb.	.08 -	.09
Gall extract, bbls.	lb.	.18 -	.20
Gambier, common, bgs.	lb.	No prices.	
plantation, bgs.	lb.	.09	Nom.
Cubes, Singapore, bgs.	lb.	.07 -	.08¼
Extract, bbls.	lb.	.08 -	.10
Gasoline, at refinery:—			
Bayonne, US motor, 62-63 octane, tanks.	gal.	.06½-	—
65 octane, tanks.	gal.	.06¾-	—
above 65 octane, tanks.	gal.	.07 -	—
California, 56-58, 375 e.p., tanks.	gal.	.07½-	—
Gulf Coast, US motor, bulk, export.	gal.	.05¼-	—
60-62, 390 e.p., bulk, export,	gal.	.05½-	—
60-62, 400 e.p., bulk, export,	gal.	.05⅝-	—
64-66, 375 e.p., bulk, export,	gal.	.05½-	—
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.05½-	.05¾
63-67 octane, tanks.	gal.	.06¼-	.06½
68-70 octane, tanks.	gal.	.06½-	.06¾
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.04½-	.05
63-67 octane, tanks.	gal.	.05 -	.05⅛
68-70 octane, tanks.	gal.	.05½-	.05⅝
60-62, 400 e.p., tanks.	gal.	.04⅝-	.04¾
64-66, 375 e.p., tanks.	gal.	.05 -	.05¼
natural, 12-lb. v.p., tanks.	gal.	.06⅛-	.06½
14-lb. v.p., tanks.	gal.	.06⅜-	—
18-lb. v.p., tanks.	gal.	.04½-	.04¾
22-lb. v.p., tanks.	gal.	.04½-	.04¾
26-70-lb., v.p., tanks.	gal.	.03¾-	.04
Pennsylvania, US motor, tanks,	gal.	.05½-	.07¼
52-54, 450 e.p., naphtha, tanks.	gal.	.05⅝-	—
60-62, 400 e.p., strt. run, tanks.	gal.	.05⅞-	—

Gasoline, tankwagon and service station (Federal and State taxes included).

	T.W.	S.S.
Atlanta	gal. .205	.226
Boston	gal. .135	.155
Chicago	gal. .157	.177
Cincinnati	gal. .175	.185
Denver	gal. .17	.19
Louisville	gal. .18	.20
Minneapolis	gal. .161	.181
New Orleans	gal. .195	.23
New York	gal. .15	.182
San Francisco	gal. .17	.18

Gelatin, silver, cs.	lb.	.50 -	.55
Gelsemium root, bls.	lb.	.12 -	.13
Gentian root, bls.	lb.	.12 -	.13
grd., bbls, bxs	lb.	.14 -	.15
powd., bbls., bxs.	lb.	.15 -	.16
Geraniol, cns.	lb.	.75 -	3.00
Geranyl acetate, bots.	lb.	1.75 -	2.50
Ginger root, Africa, bgs.	lb.	.15½-	.16¼
Cochin, lemon, bgs.	lb.	.18¼-	.18¾
Jamaica, bold, bgs.	lb.	.18 -	.18¼
grinding, bright, bgs.	lb.	.13½-	.14
medium, bold, bgs.	lb.	.14 -	.14½
Japanese, bgs.	lb.	.16 -	.16½
Ginseng fibers, cs.	lb.	1.75 -	3.00
Root, cultivated, cs.	lb.	2.60 -	4.00
wild, Southern, cs.	lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95 -	1.15
5 tons or over, works.	100 lbs.	1.05 -	1.25
less than 5 tons, works.	100 lbs.	1.15 -	1.35
import., bgs.	100 lbs.	1.05 -	1.35

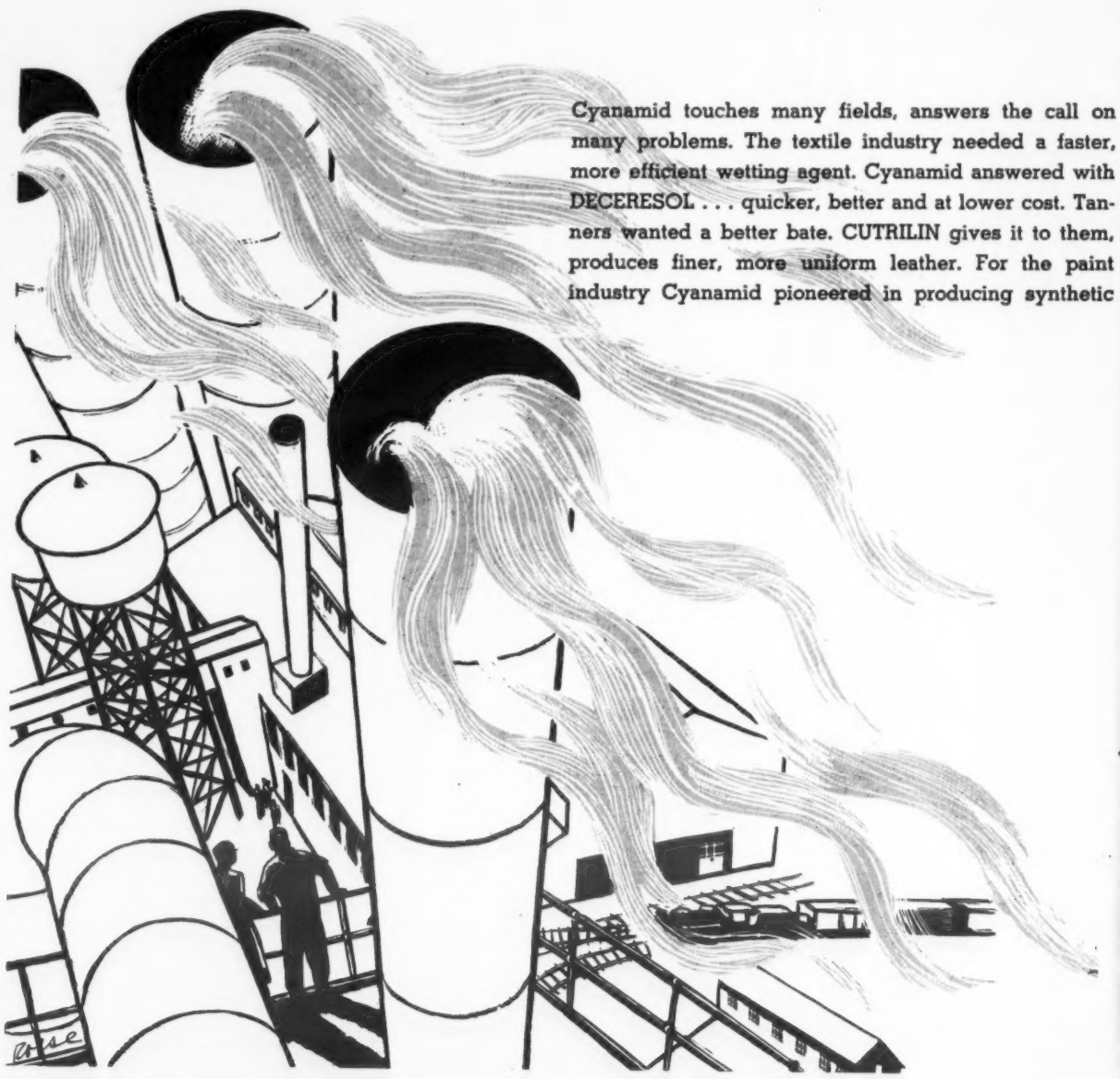
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.12½-	—
l.c.l., dlvd.	lb.	.13 -	—
28/58, bgs., c.l., dlvd.	lb.	.13 -	—
l.c.l., dlvd.	lb.	.13½-	—
38/82, bgs., c.l., dlvd.	lb.	.14 -	—
l.c.l., dlvd.	lb.	.14½-	—
48/108, bgs., c.l., dlvd.	lb.	.14½-	—
l.c.l., dlvd.	lb.	.15 -	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd. East, Midwest.	lb.	.17½-	—
l.c.l., same basis	lb.	.18 -	—
60/164, bgs., c.l., same basis.	lb.	.19 -	—
l.c.l., same basis.	lb.	.19½-	—
97/192, bgs., c.l., same basis.	lb.	.20 -	—
l.c.l., same basis.	lb.	.20½-	—
75/222, bgs., c.l., same basis	lb.	.21 -	—
l.c.l., same basis.	lb.	.22 -	—
83/251, bgs., c.l., same basis.	lb.	.22 -	—
l.c.l., same basis.	lb.	.23 -	—
92/283, bgs., c.l., same basis.	lb.	.23 -	—
l.c.l., same basis.	lb.	.24 -	—
102/315, bgs., c.l., same basis	lb.	.23½-	—
l.c.l., same basis.	lb.	.24½-	—
113/347, bgs., c.l., same basis	lb.	.24½-	—
l.c.l., same basis.	lb.	.25½-	—
125/379, bgs., c.l., same basis	lb.	.25½-	—
l.c.l., same basis.	lb.	.26½-	—

Glue prices for barrel packing, ½c. lb higher; grinding charge, 20-40 mesh, ½c lb.; 60 mesh, 1c. lb.

Glycerin, C.P., makers, cns., l.c.l.	lb.	.23½-	.24½
resellers, cns., l.c.l.	lb.	.28 -	.30
dms., extra, c.l.	lb.	.21½-	—
l.c.l.	lb.	.22 -	.23
dynamite, dms., extra, c.l.	lb.	.21¼-	—
l.c.l.	lb.	.22 -	.23
saponification, basis 88%, dms. returnable, dlvd.	lb.	.17½-	.18½
soaplye, basis 80%, dms. returnable, dlvd.	lb.	.16 -	.17
yellow, distilled, dms. extra, c.l.	lb.	.21¾-	—
l.c.l.	lb.	.21½-	.22¾
Glycol boriborate, dms.	lb.	.22 -	—
Phthalate, dms.	lb.	.29 -	—
Stearate, dms.	lb.	.23 -	—
Gold, U.S. purchase price	oz.	35.00	-
Chloride, acid, brown, bots.	oz.	21.75	-22.00
yellow, bots.	oz.	19.75	-20.00
Gold-soda chloride, photo., bots.	oz.	13.00	-
USP IX, bots.	oz.	14.50	-14.75
Gold of pleasure seed, bgs.	lb.	No stocks	
Golden seal root, bls.	lb.	2.85	- 2.90
powd., bxs.	lb.	3.10	- 3.15
Grains of paradise, bgs.	lb.	.20	- .22
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06	- —
bbls., c.l., works.	lb.	.06¼-	—
l.c.l., works.	lb.	.06½-	—
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works.	lb.	.02¼-	-
bbls., c.l., works.	lb.	.02¾-	-
l.c.l., works.	lb.	.03¼-	-
80% graphitic carbon, bgs., c.l., works.	lb.	.03¼-	-
bbls., c.l., works.	lb.	.03¾-	-
l.c.l., works.	lb.	.04½-	—

THEY'RE DOING IT FASTER

AT LESS EXPENSE . . .



Cyanamid touches many fields, answers the call on many problems. The textile industry needed a faster, more efficient wetting agent. Cyanamid answered with DECERESOL . . . quicker, better and at lower cost. Tanners wanted a better bate. CUTRILIN gives it to them, produces finer, more uniform leather. For the paint industry Cyanamid pioneered in producing synthetic

Grease, house, trcs.....lb.	.08¼-	.08¼
white, trcs.....lb.	.08½-	.09½
yellow, trcs.....lb.	.08¼-	.08⅝
Wool (see Adeps lanae and Degras)		
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	.20 -	—
6-10%, bbls., same basis.lb.	.21 -	—
11-15%, bbls., same basis.lb.	.22 -	—
16-20%, bbls., same basis.lb.	.22½-	—
21-25%, bbls., same basis.lb.	.23 -	—
26-30%, bbls., same basis.lb.	.23½-	—
31-35%, bbls., same basis.lb.	.24½-	—
36-40%, bbls., same basis.lb.	.26 -	—
41-45%, bbls., same basis.lb.	.27½-	—
46-50%, bbls., same basis.lb.	.29 -	—
over 50%, bbls., same basis lb.	.30 -	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1¼c. higher dlvd. Texas (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.

reduced, C.P. color content up to 5%, bbls., same basis..lb.	.05¾-	—
6-10%, bbls., same basis.lb.	.06½-	—
11-13%, bbls., same basis.lb.	.07 -	—
14-16%, bbls., same basis.lb.	.07¼-	—
17-19%, bbls., same basis.lb.	.07½-	—
20-21%, bbls., same basis.lb.	.07¾-	—
22-23%, bbls., same basis.lb.	.08 -	—
24-25%, bbls., same basis.lb.	.08¼-	—
26-27%, bbls., same basis.lb.	.06½-	—
28-29%, bbls., same basis.lb.	.09 -	—
Green, chrome, reduced, C.P., color content, 30-31%, bbls., same basis..lb.	.09¾-	—
32-33%, bbls., same basis.lb.	.11 -	—
34-35%, bbls., same basis.lb.	.12 -	—
36-40%, bbls., same basis.lb.	.14 -	—
41-45%, bbls., same basis.lb.	.16 -	—
46-50%, bbls., same basis.lb.	.16½-	—
51-55%, bbls., same basis.lb.	.17 -	—
56-60%, bbls., same basis.lb.	.17½-	—
61-65%, bbls., same basis.lb.	.18 -	—
66-70%, bbls., same basis.lb.	.19 -	—
71-75%, bbls., same basis.lb.	.20 -	—
chrome oxide, dom., pure, bbls...20	-	—
ceramic, light shades, bbls., c.l., works..lb.	.28 -	—
l.c.l., works.....lb.	.30 -	—
standard grade, bbls., works..lb.	.18 -	.20
import, bbls., kgs., f.o.b. N.Y..lb.	.31	Nom.
Paris (see P)		
Verdigris (see V)		
Green dyes are listed under Dyes.		
Grindelia robusta, bls.....lb.	.08½-	.10
Guaiac resin, cs.....lb.	.35 -	.40
strained, cs.....lb.	.90 -	1.00
Wood, bls.....lb.	.04 -	.05
Guaiacol, liq., djns.....lb.	1.95 -	1.92
Carbonate, bxs., kgs.....lb.	2.15 -	2.40
Guarana, powd., cs.....lb.	.70 -	.75
Gum, aloe (see A)		
Ammoniac, tears., cs.....lb.	1.05 -	1.10
Arabic, amber sorts, cleaned, bgs..lb.	.09¾-	.10
white, sorts, 1, bgs.....lb.	.27 -	.28
2, bgs.....lb.	.25 -	.26
powd., bbls.....lb.	.13 -	.14
Asafetida (see A)		
Asphaltum (see A)		
Benzoin, Siam, cs.....lb.	1.05 -	1.55
Sumatra, cs.....lb.	.40	Nom.
Camphor (see C)		
Chicle, bgs.....lb.	.35 -	.40
Gum, copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb.	.42¾-	—

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy white, bgs., c.l. same basis..lb.	.26 -	—
3, selected pale straw bold, bgs., c.l. same basis..lb.	.18½-	—
4, pale bold straw, bgs., c.l., same basis..lb.	.16½-	—
5, pale straw bold, bgs., c.l., same basis..lb.	.13½-	—
6, pale amber bold, bgs., c.l., same basis..lb.	.12½-	—
7, pale straw bold, bgs., c.l., same basis..lb.	.13¾-	—
8, light amber bold, bgs., c.l., same basis..lb.	.10¼-	—
9, medium light amber bold, bgs., c.l., same basis..lb.	.07¾-	—
10, rescraped hard amber bold, bgs., c.l., same basis lb.	.09¼-	—
11, hard dark amber bold, bgs., c.l., same basis..lb.	.06¾-	—
12, selected bold sorts, bgs., c.l., same basis..lb.	.05¼-	—
13, dark sorts bold, bgs., c.l., same basis..lb.	.05¼-	—
14, selected, fully scraped ivory, bgs., c.l., same basis..lb.	.17½-	—
15, ordinary ivory sorts, bgs., c.l., same basis..lb.	.06¼-	—
16, inferior ivory sorts, bgs., c.l., same basis..lb.	.05¼-	—

ALL ALONG THE LINE

resins. The REZYL RESINS created new standards of color retention and durability for a wide variety of quick-drying finishes. For the paper industry Cyanamid produced 5C ALWAX SIZE—better in color, easier to handle.

And so it goes. These are just a few of Cyanamid's contributions to the industries it serves. In every field where chemicals are used Cyanamid is identified with progress—continually developing better materials and assisting in the perfection of more efficient methods and processes.

Cyanamid offers you the rewards of extensive research, the counsel of skilled technicians, the advantage of a fast, nation-wide delivery system. If you use chemicals perhaps you too can gain by this forward-minded cooperation.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

FOR THE PAINT INDUSTRY, Cyanamid has recently developed [1]REZYL 880-1, a new oxidizing type resin that offers special advantages for the formulation of architectural whites. It imparts quick drying time, provides excellent brushing qualities and produces a finish of porcelain-like gloss which is remarkably resistant to grease and dirt collection.

CUTRILIN—To secure uniform, light color and a fine pliable grain in finished leathers, CUTRILIN[2] is an ideal bating agent. It thoroughly cleanses and pulls down the grain without attacking the hide substance, and at the same time removes the scud which causes undertone. When CUTRILIN processing is supplemented by the use of TANAK DF[3] these advantages are accentuated. TANAK also serves to lighten the shade, strengthen the fibre and eliminate the second bleach, thus reducing acidity.

DICYANDIAMID, NH: C (NH_2) . NH . CN, is one of the newer commercial chemicals affording an opportunity for research in organic synthesis. DICYANDIAMID in white crystalline form is over 99% pure. It contains over 66% nitrogen, melts at 205°C., is soluble in hot water, alcohol and acetone and is very stable and non-hydroscopic.

THE USE OF DECERESOL OT[4] with sulphur colors on package dyeing machines in the textile industry has been found to offer several advantages. Packages have been found to be absolutely clean, greater color value has been obtained and color is more readily dispersed throughout the package.

MINERAL ACIDS of consistently high quality and uniformity are supplied by Cyanamid in commercial quantities. As one of the oldest and largest suppliers of acids in the country, Cyanamid is equipped to meet the needs of industry. Shipments can be made direct from conveniently located plants and warehouses.

Consult Cyanamid for your chemical requirements for 1937 on both staples and specialties. Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

1. Registered trade-mark of the REZYL Corporation, protected by U. S. Patents.
2. Registered U. S. Patent Office, Patent No. 1,946,218.
3. Registered U. S. Patent Office.
4. Trade-Mark.

Gum, copal, Congo, 17, pale fingers, bgs., c.l., same basis, lb.	.15⅝-	—
18, pale straw nubs, bgs., c.l., same basis..lb.	.11 -	—
19, pale straw nubs, bgs., c.l., same basis..lb.	.10 -	—
20, hard dark amber nubs, bgs., c.l., same basis..lb.	.09½-	—
21, ordinary selected nubs, c.l., same basis..lb.	.08 -	—
22, small mixed nubs, bgs., c.l., same basis..lb.	.06½-	—
23, dark mixed nubs, bgs., c.l., same basis..lb.	.05⅝-	—
24, No. 1, ivory nubs, bgs., c.l., same basis..lb.	.12½-	—
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb.	.05½-	—
26, pale bold chips, bgs., c.l., same basis..lb.	.05⅝-	—
27, pale small chips, bgs., c.l., same basis..lb.	.05½-	—
28, pale dust, bgs., c.l., bgs., same basis..lb.	.04½-	—
East India, Batu, bold scraped, bgs., c.l., same basis...lb.	.06 -	—
unscraped, bgs., c.l., same basis..lb.	.04 -	—
chips, bgs., c.l., same basis lb.	.03⅝-	—
dust, bgs.,c.l.,same basis.lb.	.03⅛-	—
nubs and chips, bgs., c.l., same basis..lb.	.03⅝-	—
black, bold, scraped, bgs., c.l., same basis..lb.	.06⅛-	—
unscraped, bgs., c.l., same basis..lb.	.04 -	—
nubs and chips, bgs., c.l., same basis..lb.	.04½-	—
Hiroe Macassar, pale, bold bgs., c.l., same basis.lb.	.12⅝-	—
chips, bgs., c.l., same basis..lb.	.06½-	—
dust, bgs., c.l.,same basis lb.	.03⅝-	—
nubs, bgs., c.l., same basis..lb.	.10⅝-	—
Singapore Rasak, bold, bgs., c.l., same basis..lb.	.15½-	—
chips, bgs., c.l., same basis lb.	.04⅝-	—
dust, bgs.,c.l.,same basis.lb.	.03⅝-	—
nubs,bgs.,c.l.,same basis.lb.	.10 -	—
Manila, Bocas, amber and dark, bskts., c.l., same basis..lb.	.14 -	—
light, bskts., c.l., same basis..lb.	.13½-	—
loba A, bskts., c.l., same basis..lb.	.09⅝-	—
B,bskts.,c.l., same basis.lb.	.09¼-	—
C,bskts.,c.l., same basis.lb.	.08⅞-	—
CNE, bskts., c.l., same basis..lb.	.07½-	—
D,bskts.,c.l., same basis.lb.	.06 -	—
DK, bskts., c.l., same basis lb.	.06⅝-	—
DU, bskts., c.l., same basis lb.	.06⅝-	—
dust,bskts.,c.l., same basis. lb.	.05 -	—
Sambas and white split chips, bskts., c.l., same basis..lb.	.12¼-	—
Singapore, dust, bskts., c.l., same basis..lb.	.05 -	—
spirit-soluble, CBB, bskts., c.l., same basis..lb.	.08 -	—
DBB,bskts., c.l., same basis lb.	.08 -	—
M.A., bskts., c.l., same basis lb.	.06¾-	—
MB, bskts.,c.l., same basis. lb.	.06¼-	—
WS, bskts.,c.l., same basis. lb.	.06½-	—
Philippine Manila amber sorts, bskts., c.l., same basis..lb.	.07½-	—
chips, pale, bskts., c.l., same basis..lb.	.06¼-	—
small, bskts., c.l., same basis..lb.	.07½-	—
extra pale sorts, bskts., c.l., same basis..lb.	.09¼-	—
nubs,bskts.,c.l.,same basis.. lb.	.10⅝-	—
pale, scraped, bskts., c.l., same basis..lb.	.11⅝-	—
seeds and dust, bskts., c.l., same basis..lb.	.06⅝-	—
Pontianak, bold, genuine, bgs., c.l., same basis..lb.	.14¼-	—
mixed, bgs.,c.l.,same basis lb.	.13¼-	—
chips,bgs.,c.l.,same basis..lb.	.06½-	—
nubs,bgs.,c.l.,same basis..lb.	.12 -	—
split,bgs.,c.l.,same basis..lb.	.12⅝-	—
Dammar, Batavia A, cs., c.l., same basis as copal..lb.	.22½-	—
A/D, cs., c.l., same basis.lb.	.17½-	—
A/E, cs., c.l., same basis.lb.	.14½-	—
B, cs., c.l., same basis...lb.	.20⅝-	—
C, cs., c.l., same basis...lb.	.17½-	—
D, cs., c.l., same basis..lb.	.14⅝-	—
dust, cs., c.l., same basis.lb.	.05⅝-	—
E, cs., c.l., same basis...lb.	.07½-	—
F, cs., c.l., same basis...lb.	.06⅝-	—
Singapore, 1, cs, c.l., same basis..lb.	.17½-	—
2, cs., c.l., same basis...lb.	.14½-	—
3, cs., c.l., same basis...lb.	.05⅛-	—
chips, cs.,c.l., same basis.lb.	.09⅝-	—
dust, cs., c.l., same basis.lb.	.05 -	—
seeds, cs., c.l., same basis.lb.	.07⅝-	—
Elemi, cns., c.l., same basis as copal..lb.	.09⅝-	—
Ester, dms., 75,000 lbs., dlvd. lb.	.10 -	—
c.l., single shipment, dlvd. lb.	.10 -	—
l.c.l., 3,000 lbs., single shipment, dlvd..lb.	.10¼-	—
smaller lots, dlvd.....lb.	.10½-	—
Euphorbium, cs. .....lb.	.17 -	.19
Galbanum, cs.....lb.	.95 -	1.00
Gamboge, pipe, cs.....lb.	.58 -	.59
powd., bbls. .....lb.	.05 -	.06
Ghatti, soluble bgs.....lb.	.11 -	.15
superior bgs. .....lb.	.09 -	.11
Guaiac (see Guaiac resin).		
Karaya XXX, bbls., bxs., dms. lb.	.24 -	.25
XX, bbls., bxs., dms.....lb.	.16 -	.17
1, bbls., bxs., dms.....lb.	.09½-	.10
2, bbls., bxs., dms.....lb.	.08½-	.09
Kauri, brown, XXX, cs., c.l., same basis as copal..lb.	.60 -	—
BX, cs., c.l., same basis..lb.	.33 -	—
B1, cs., c.l., same basis..lb.	.21 -	—
B2, cs., c.l., same basis..lb.	.15½-	—
B3, cs., c.l., same basis..lb.	.12 -	—
80% chips, cs., c.l., same basis..lb.	.09½-	—
pale, XXX, cs., c.l., same basis..lb.	.65 -	—
1, cs., c.l., same basis..lb.	.40 -	—
2, cs., c.l., same basis..lb.	.22 -	—
3, cs., c.l., same basis..lb.	.15 -	—
Kino, tins .....lb.	.70 -	.80
Mastic, cs., c.l., same basis as copal..lb.	.57 -	.58
Myrrh, USP, cs.....lb.	.35 -	.40

Ethylmethyl K.—Graphite

Ethylmethyl ketone dms., c.l. frt. pd. E. of Rocky Mts., lb.	.07 -	—
l.c.l., same terms.....lb.	.07½-	—
tanks, same terms.....lb.	.06 -	—
Ethylorthoparatoluenesulphonamide, bbls..lb.	.55 -	-
Ethylparatoluenesulphonamide, bbls..lb.	.60 -	-
Eucalyptol, cns., dms.....lb.	.54 -	.55
Eucalyptus leaves, bls.....lb.	.08 -	.09
Eugenol, cns. .....lb.	1.85 -	1.90
Euphorbia, bls.....lb.	.08 -	.08½

F

Feldspar, enamel, 100 mesh, bulk, works..ton.	14.00 -	15.00
glass, 20 mesh, bulk, works.ton.	11.00 -	12.25
pottery, bulk, Me. works...ton.	17.00 -	19.00
N.C. works.....ton.	17.00 -	19.00
Fennel seed, French type, bgs, lb.	.07½-	.08
India bgs.....lb.	.07½-	.08
German, large, bgs.....lb.	.18 -	.19
small, bgs.....lb.	.13 -	.14
Fenugreek seed, bgs.....lb.	.05 -	.05½
Ferric sulphate, dms., works.ton.	35.00 -	40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb.	.12½-	.13
smaller lots, E. works, lb.	.13½-	.14
light, cs., 1,000 lbs. or over, E. works..lb.	.14 -	.15
smaller lots, E. works.lb.	.15 -	.16
water white, cs., 1,000 lbs. or over, E. works..lb.	.15 -	.16
smaller lots, E. works.lb.	.16 -	.19
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.		
Fir balsam, Canada, cns.....gal.	3.75 -	13.00
Oregon, bbls.....gal.	3.00 -	3.25
Fish berries, bgs.....lb.	.10 -	.11
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton.	No Prices	
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.	56.00 -	—
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. Cst. factories, contracts .....unit-ton.	No prices	
sardine, meal, Calif., 12-13% ammon., bgs., c.i.f. E. Cst. ports..unit-ton.	No prices.	
Japanese, 11½% ammon., bgs., c.i.f. ports, shipt., No. 1 grade..ton.	No Prices	
Flake white, bbls., kgs.....lb.	.09¾-	.10½
Flaxseed, French, black, bgs..lb.	.12 -	.12½
Indian, blonde, bgs.....lb.	.08½-	.09
Fluorspar, enamel, 96-98%, bgs., ton.	31.00 -	35.00
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines..ton.	18.00	Nom.
import., bulk, Atlantic ports, duty-paid..ton.	22.50	Nom.
lump., 85 and 5%, dom., bulk, f.o.b. Ill., Ky., mines..ton.	19.00 -	20.00
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton.	No Prices	
Formaldehyde, bbls., c.l. works, lb.	.05¾-	—
l.c.l., works.....lb.	.06¼-	—
dms., c.l., works.....lb.	.05½-	—
l.c.l., works.....lb.	.05¾-	—
tanks, works.....lb.	.04½-	—
Fringetree bark, bls.....lb.	.12 -	.13
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.	10.00 -	—
import., bgs., c.l., ex dock.ton.	23.00 -	—
l.c.l., ex whse.....ton.	30.00 -	—
Furfural, refd., dms., c.l., works, lb.	.15 -	—
l.c.l., works .....lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs., works..lb.	.10 -	—
c.l., works.....lb.	.12½-	—
l.c.l., works.....lb.	.15 -	.20
tanks, works.....lb.	.09 -	—
Fusel oil, refd., dms. incl., dlvd, lb.	.16 -	.18
Fustic extract, cryst., bbls...lb.	.20 -	.22
liquid, bbls.....lb.	.08½-	.09
solid, dms.....lb.	.16 -	.18

G

G salt, bbls.....lb.	.45 -	.48
Galangal root, bls.....lb.	.08 -	.09
Gall extract, bbls.....lb.	.18 -	.20
Gambier, common, bgs.....lb.	No prices.	
plantation, bgs.....lb.	.09	Nom.
Cubes, Singapore, bgs.....lb.	.07 -	.08½
Extract, bbls.....lb.	.08 -	.10
Gasoline, at refinery:—		
Bayonne, US motor, 62-63 octane, tanks..gal.	.06½-	—
65 octane, tanks.....gal.	.06¾-	—
above 65 octane, tanks.gal.	.07 -	—
California, 56-58, 375 e.p., tanks..gal.	.07½-	—
Gulf Coast, US motor, bulk, export..gal.	.05¼-	—
60-62, 390 e.p., bulk, export, gal.	.05½-	—
60-62, 400 e.p., bulk, export, gal.	.05⅝-	—
64-66, 375 e.p., bulk, export, gal.	.05½-	—
Louisiana-Arkansas, US motor, 62 octane, tanks..gal.	.05½-	.05¾
63-67 octane, tanks....gal.	.06¼-	.06½
68-70 octane, tanks....gal.	.06½-	.06¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal.	.04½-	.05
63-67 octane, tanks....gal.	.05 -	.05½
68-70 octane, tanks....gal.	.05½-	.05¾
60-62, 400 e.p., tanks....gal.	.04¾-	.04¾
64-66, 375 e.p., tanks....gal.	.05 -	.05¼
natural, 12-lb. v.p., tanks, gal.	.06½-	.06½
14-lb. v.p., tanks.....gal.	.06⅛-	—
18-lb. v.p., tanks.....gal.	.04½-	.04¾
22-lb. v.p., tanks.....gal.	.04½-	.04¼
26-70-lb., v.p., tanks...gal.	.03¾-	.04
Pennsylvania, US motor, tanks, gal.	.05½-	.07¼
52-54, 450 e.p., naphtha, tanks..gal.	.05⅝-	—
60-62, 400 e.p., strt, run, tanks..gal.	.06⅞-	—

Gasoline, tankwagon and service station (Federal and State taxes included).	T.W.	S.S.
Atlanta .....gal.	.205	.225
Boston .....gal.	.135	.155
Chicago .....gal.	.157	.177
Cincinnati .....gal.	.175	.185
Denver .....gal.	.17	.19
Louisville .....gal.	.18	.20
Minneapolis .....gal.	.161	.181
New Orleans.....gal.	.195	.23
New York.....gal.	.15	.182
San Francisco.....gal.	.17	.18
Gelatin, silver, cs.....lb.	.50 -	.55
Geisemium root, bls.....lb.	.12 -	.13
Gentian root, bls.....lb.	.12 -	.13
grd., bbls, bxs.....lb.	.14 -	.15
powd., bbls., bxs.....lb.	.15 -	.16
Geraniol, cns. .....lb.	.75 -	3.00
Geranyl acetate, bots.....lb.	1.75 -	2.50
Ginger root, Africa, bgs.....lb.	.15¾-	.16¼
Cochin, lemon, bgs.....lb.	.18½-	.18¾
Jamaica, bold, bgs.....lb.	.15 -	.18½
grinding, bright, bgs.....lb.	.13½-	.14
medium, bold, bgs.....lb.	.14 -	.14½
Japanese, bgs.....lb.	.16 -	.16½
Ginseng fibers, cs.....lb.	1.75 -	3.00
Root, cultivated, cs.....lb.	2.00 -	4.00
wild, Southern, cs.....lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate). cryst., dom., bgs., bbls., c.l., works..100 lbs.	.95 -	1.15
5 tons or over, works... 100 lbs.	1.05 -	1.25
less than 5 tons, works.. 100 lbs.	1.15 -	1.35
import., bgs.....100 lbs.	1.05 -	1.35

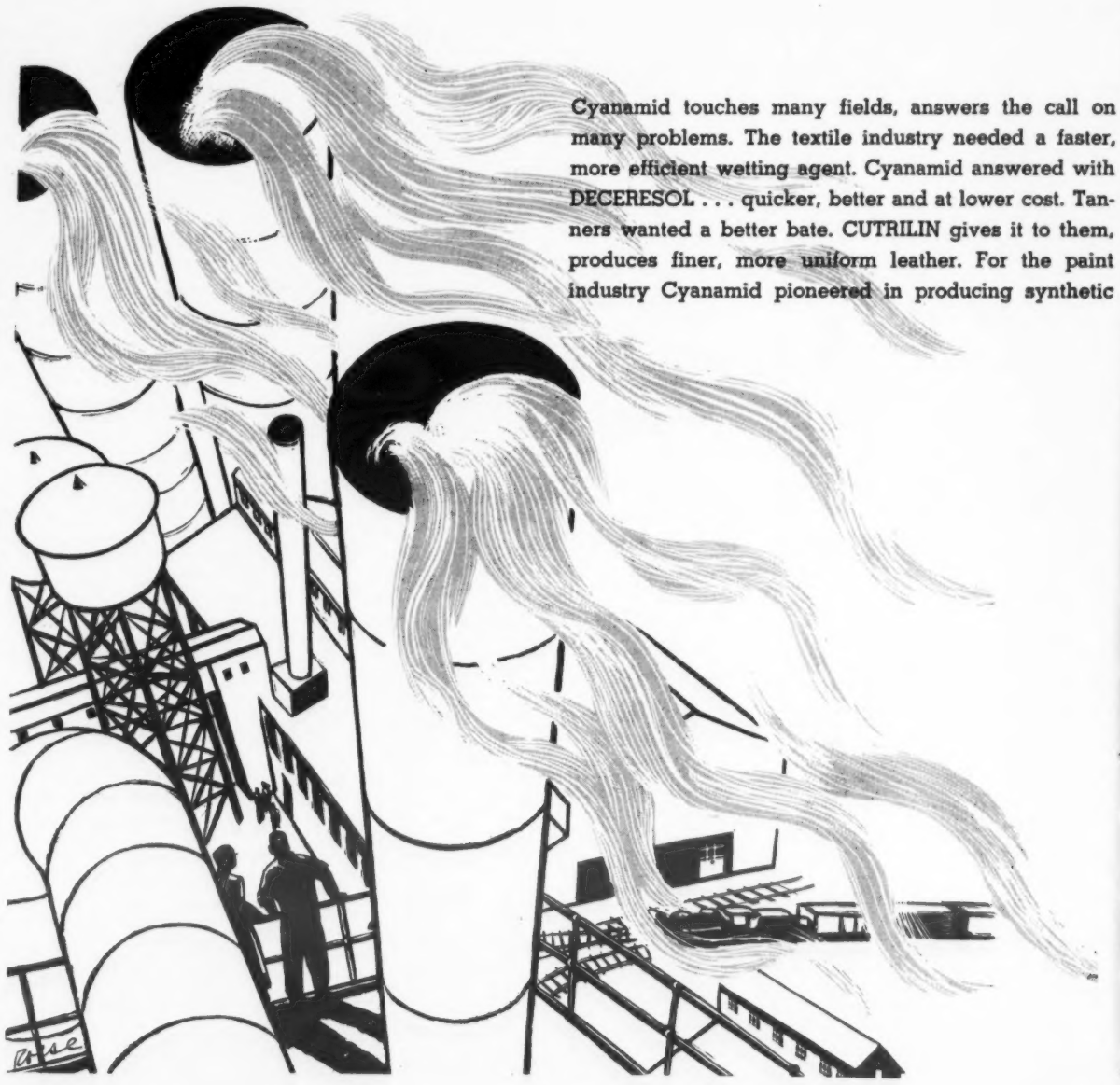
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb.	.12½-	—
l.c.l., dlvd.....lb.	.13 -	—
28/58, bgs., c.l., dlvd.....lb.	.13 -	—
l.c.l., dlvd.....lb.	.13½-	—
38/82, bgs., c.l., dlvd.....lb.	.14 -	—
l.c.l., dlvd.....lb.	.14½-	—
48/108, bgs., c.l., dlvd....lb.	.14½-	—
l.c.l., dlvd.....lb.	.15 -	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd. East, Midwest..lb.	.17½-	—
l.c.l., same basis.....lb.	.18 -	—
60/164, bgs., c.l., same basis.lb.	.19 -	—
l.c.l., same basis.....lb.	.19½-	—
67/192, bgs., c.l., same basis.lb.	.20 -	—
l.c.l., same basis.....lb.	.20½-	—
75/222, bgs., c.l., same basis lb.	.21 -	—
l.c.l., same basis.....lb.	.22 -	—
83/251, bgs., c.l., same basis.lb.	.22 -	—
l.c.l., same basis.....lb.	.23 -	—
92/283, bgs., c.l., same basis.lb.	.23 -	—
l.c.l., same basis.....lb.	.24 -	—
102/315, bgs., c.l., same basis lb.	.23½-	—
l.c.l., same basis.....lb.	.24½-	—
113/347, bgs., c.l., same basis lb.	.24½-	—
l.c.l., same basis.....lb.	.25½-	—
125/379, bgs., c.l., same basis lb.	.25½-	—
l.c.l., same basis.....lb.	.26½-	—

Glue prices for barrel packing, ½c. lb higher; grinding charge, 20-40 mesh, ½c lb.; 60 mesh, 1c. lb.

Glycerin, C.P., makers, cns., l.c.l. lb.	.23½-	.24½
resellers, cns., l.c.l.....lb.	.28 -	.30
dms., extra, c.l. .....lb.	.21½-	—
l.c.l. .....lb.	.22 -	.23
dynamite, dms., extra, c.l....lb.	.21¼-	—
l.c.l. .....lb.	.22 -	.23
saponification, basis 88%, dms. returnable, dlvd..lb.	.17½-	.18½
soapIye, basis 80%, dms. returnable, dlvd..lb.	.16 -	.17
yellow, distilled, dms. extra, c.l. lb.	.21¾-	—
l.c.l. .....lb.	.21¾-	.22¾
Glycol boriborate, dms.....lb.	.22 -	—
Phthalate, dms.....lb.	.29 -	—
Stearate, dms.....lb.	.23 -	—
Gold, U.S. purchase price.....oz.	35.00	-
Chloride, acid, brown, bots..oz.	21.75	-22 00
yellow, bots.....oz.	19.75	-20 00
Gold-soda chloride, photo., bots. oz.	13.00	-
USP IX, bots.....oz.	14.50	-14 77
Gold of pleasure seed, bgs.....lb.	No stocks	
Golden seal root, bls.....lb.	2.85 -	2.90
powd., bxs.....lb.	3.10 -	3.15
Grains of paradise, bgs.....lb.	.20 -	.22
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb.	.06 -	—
bbls., c.l., works.....lb.	.06¼-	—
l.c.l., works.....lb.	.06½-	—
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb.	.02½-	—
bbls., c.l., works.....lb.	.02⅝-	—
l.c.l., works.....lb.	.03¼-	—
80% graphitic carbon, bgs., c.l., works..lb.	.03¼-	—
bbls., c.l., works.....lb.	.03⅝-	—
l.c.l., works.....lb.	.04½-	—

THEY'RE DOING IT FASTER

AT LESS EXPENSE . . .



Cyanamid touches many fields, answers the call on many problems. The textile industry needed a faster, more efficient wetting agent. Cyanamid answered with DECERESOL . . . quicker, better and at lower cost. Tanners wanted a better bate. CUTRILIN gives it to them, produces finer, more uniform leather. For the paint industry Cyanamid pioneered in producing synthetic

Grease, house, trcs.....lb. .08¼- .08¼
white, trcs.....lb. .08½- .09½
yellow, trcs.....lb. .08¼- .08¾
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .20 - —
6-10%, bbls., same basis.lb. .21 - —
11-15%, bbls., same basis.lb. .22 - —
16-20%, bbls., same basis.lb. .22½- —
21-25%, bbls., same basis.lb. .23 - —
26-30%, bbls., same basis.lb. .23½- —
31-35%, bbls., same basis.lb. .24½- —
36-40%, bbls., same basis.lb. .26 - —
41-45%, bbls., same basis.lb. .27½- —
46-50%, bbls., same basis.lb. .29 - —
over 50%, bbls., same basis lb. .30 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1½c. higher dlvd. Texas (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.
reduced, C.P. color content up to 5%, bbls., same basis..lb. .06¾- —
6-10%, bbls., same basis.lb. .06½- —
11-13%, bbls., same basis.lb. .07 - —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07½- —
20-21%, bbls., same basis.lb. .07¾- —
22-23%, bbls., same basis.lb. .08 - —
24-25%, bbls., same basis.lb. .08¼- —
26-27%, bbls., same basis.lb. .08½- —
28-29%, bbls., same basis.lb. .09 - —

Green, chrome, reduced, C.P., color content, 30-31%, bbls., same basis..lb. .09¾- —
32-33%, bbls., same basis.lb. .11 - —
34-35%, bbls., same basis.lb. .12 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .16 - —
46-50%, bbls., same basis.lb. .16½- —
51-55%, bbls., same basis.lb. .17 - —
56-60%, bbls., same basis.lb. .17½- —
61-65%, bbls., same basis.lb. .18 - —
66-70%, bbls., same basis.lb. .19 - —
71-75%, bbls., same basis.lb. .20 - —
chrome oxide, dom., pure, bbls...20 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .18 - .20
import, bbls., kgs. f.o.b. N.Y..lb. .31 Nom.
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Gualac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.92
Carbonate, bxs., kgs.....lb. 2.15 - 2.40
Guarana, powd., cs.....lb. .70 - .75
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. 1.05 - 1.10
Arabic, amber sorts, cleaned, bgs..lb. .09¾- .10
white, sorts, 1, bgs.....lb. .27 - .29
2, bgs.....lb. .25 - .28
powd., bbls.....lb. .13 - .14
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.05 - 1.35
Sumatra, cs.....lb. .40 Nom.
Camphor (see C)
Chicle, bgs.....lb. .35 - .40

Gum, copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran...lb. .42¾- —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy white, bgs., c.l. same basis..lb. .26 - —
3, selected pale straw bold, bgs., c.l. same basis..lb. .18½- —
4, pale bold straw, bgs., c.l., same basis..lb. .16½- —
5, pale straw bold, bgs., c.l., same basis..lb. .13½- —
6, pale amber bold, bgs., c.l., same basis..lb. .12¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .13¾- —
8, light amber bold, bgs., c.l., same basis..lb. .10¼- —
9, medium light amber bold, bgs., c.l., same basis..lb. .07¾- —
10, rescraped hard amber bold, bgs., c.l., same basis lb. .09¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .06¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .05½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .17¼- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¼- —

Grease—Gum, Myrrh

Gum, copal, Congo, 17, pale fingers, bgs., c.l., same basis, lb. .15¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11 - —
19, pale straw nubs, bgs., c.l., same basis..lb. .10 - —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .06¾- —
21, ordinary selected nubs, c.l., same basis..lb. .06 - —
22, small mixed nubs, bgs., c.l., same basis..lb. .05½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .05¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .12¼- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .05½- —
26, pale bold chips, bgs., c.l., same basis..lb. .05¾- —
27, pale small chips, bgs., c.l., same basis..lb. .05½- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .04½- —
East India, Batu, bold scraped, bgs., c.l., same basis...lb. .06 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs.,c.l.,same basis.lb. .03½- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .04 - —
nubs and chips, bgs., c.l., same basis..lb. .04½- —
Hiroe Macassar, pale, bold bgs., c.l., same basis.lb. .12¾- —
chips, bgs., c.l., same basis..lb. .06½- —
dust, bgs., c.l.,same basis lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15½- —
chips, bgs., c.l., same basis lb. .04¾- —
dust, bgs.,c.l.,same basis.lb. .03¾- —
nubs,bgs.,c.l.,same basis.lb. .10 - —
Manila, Bocas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .18½- —
loba A, bskts., c.l., same basis..lb. .09¾- —
B,bskts.,c.l., same basis.lb. .09¼- —
C,bskts.,c.l., same basis.lb. .08¾- —
CNE, bskts., c.l., same basis..lb. .07½- —
D,bskts.,c.l., same basis.lb. .06 - —
DK, bskts., c.l., same basis lb. .06¾- —
DU, bskts., c.l., same basis lb. .06¾- —
dust,bskts.,c.l., same basis. lb. .05 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .12¼- —
Singapore, dust, bskts., c.l., same basis..lb. .05 - —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .06 - —
DBB,bskts., c.l., same basis lb. .06 - —
M.A., bskts., c.l., same basis lb. .06¾- —
MB, bskts.,c.l., same basis. lb. .06¼- —
WS, bskts.,c.l., same basis. lb. .06¼- —
Philippine Manila amber sorts, bskts., c.l., same basis..lb. .07½- —
chips, pale, bskts., c.l., same basis..lb. .06¼- —
small, bskts., c.l., same basis..lb. .07½- —
extra pale sorts, bskts., c.l., same basis..lb. .06¼- —
nubs,bskts.,c.l.,same basis.. lb. .10¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .05¾- —
Pontianak, bold, genuine, bgs., c.l., same basis..lb. .14¼- —
mixed, bgs.,c.l.,same basis lb. .13¼- —
chips,bgs.,c.l.,same basis..lb. .08½- —
nubs,bgs.,c.l.,same basis..lb. .12 - —
split,bgs.,c.l.,same basis..lb. .12¾- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .22½- —
A/D, cs., c.l., same basis.lb. .17½- —
A/E, cs., c.l., same basis.lb. .14½- —
B, cs., c.l., same basis...lb. .20¾- —
C, cs., c.l., same basis...lb. .17½- —
D, cs., c.l., same basis..lb. .14¾- —
dust, cs., c.l., same basis.lb. .05¾- —
E, cs., c.l., same basis...lb. .07½- —
F, cs., c.l., same basis...lb. .05¾- —
Singapore, 1, cs, c.l., same basis..lb. .17½- —
2, cs., c.l., same basis...lb. .14½- —
3, cs., c.l., same basis...lb. .05½- —
chips, cs.,c.l., same basis.lb. .09¾- —
dust, cs., c.l., same basis.lb. .05 - —
seeds, cs., c.l., same basis.lb. .07¾- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 75,000 lbs., dlvd. lb. .10 - —
c.l., single shipment, dlvd. lb. .10 - —
l.c.l., 3,000 lbs., single shipment, dlvd..lb. .10¼- —
smaller lots, dlvd.....lb. .10½- —
Euphorbium, cs. .....lb. .17 - .19
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .58 - .59
powd., bbls. .....lb. .65 - .66
Ghatti, soluble, bgs.....lb. .11 - .15
superior bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .24 - .25
XX, bbls., bxs., dms.....lb. .16 - .17
1, bbls., bxs., dms.....lb. .09½- .10
2, bbls., bxs., dms.....lb. .08½- .09
Kauri, brown, XXX, cs., c.l., same basis as copal..lb. .60 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .21 - —
B2, cs., c.l., same basis..lb. .15½- —
B3, cs., c.l., same basis..lb. .12 - —
80% chips, cs., c.l., same basis..lb. .09½- —
pale, XXX, cs., c.l., same basis..lb. .65 - —
1, cs., c.l., same basis..lb. .40 - —
2, c.s., c.l., same basis..lb. .22 - —
3, c.s., c.l., same basis..lb. .15 - —
Kino, tins .....lb. .70 - .80
Mastic, c.s., c.l., same basis as copal..lb. .57 - .58
Myrrh, USP, cs.....lb. .35 - .40

ALL ALONG THE LINE

resins. The REZYL RESINS created new standards of color retention and durability for a wide variety of quick-drying finishes. For the paper industry Cyanamid produced 5C ALWAX SIZE—better in color, easier to handle.

And so it goes. These are just a few of Cyanamid's contributions to the industries it serves. In every field where chemicals are used Cyanamid is identified with progress—continually developing better materials and assisting in the perfection of more efficient methods and processes.

Cyanamid offers you the rewards of extensive research, the counsel of skilled technicians, the advantage of a fast, nation-wide delivery system. If you use chemicals perhaps you too can gain by this forward-minded cooperation.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

FOR THE PAINT INDUSTRY, Cyanamid has recently developed [1]REZYL 880-1, a new oxidizing type resin that offers special advantages for the formulation of architectural whites. It imparts quick drying time, provides excellent brushing qualities and produces a finish of porcelain-like gloss which is remarkably resistant to grease and dirt collection.

CUTRILIN—To secure uniform, light color and a fine pliable grain in finished leathers, CUTRILIN[2] is an ideal bating agent. It thoroughly cleanses and pulls down the grain without attacking the hide substance, and at the same time removes the scud which causes undertone. When CUTRILIN processing is supplemented by the use of TANAK DF[3] these advantages are accentuated. TANAK also serves to lighten the shade, strengthen the fibre and eliminate the second bleach, thus reducing acidity.

DICYANDIAMID, NH: C (NH_2) . NH . CN, is one of the newer commercial chemicals affording an opportunity for research in organic synthesis. DICYANDIAMID in white crystalline form is over 99% pure. It contains over 66% nitrogen, melts at 205°C., is soluble in hot water, alcohol and acetone and is very stable and non-hydroscopic.

THE USE OF DECERESOL OT[4] with sulphur colors on package dyeing machines in the textile industry has been found to offer several advantages. Packages have been found to be absolutely clean, greater color value has been obtained and color is more readily dispersed throughout the package.

MINERAL ACIDS of consistently high quality and uniformity are supplied by Cyanamid in commercial quantities. As one of the oldest and largest suppliers of acids in the country, Cyanamid is equipped to meet the needs of industry. Shipments can be made direct from conveniently located plants and warehouses.

Consult Cyanamid for your chemical requirements for 1937 on both staples and specialties. Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

1. Registered trade-mark of the REZYL Corporation, protected by U. S. Patents.
2. Registered U. S. Patent Office, Patent No. 1,946,218.
3. Registered U. S. Patent Office.
4. Trade-Mark.

Gum, Olibanum—Mandrake

Gum, olibanum, siftings, cs...lb. .07 - .08
tears, cs.....lb. .12 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as copal..lb. .33 - .35
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .20 - .21
sorts, bgs.....lb. .09¾- .10¼
Talha, bgs.....lb. .05 - .06
Thus, bbls.....280 lbs. 12.00 Nom.
strained, bbls.....280 lbs. 12.00 Nom.
Tragacanth, Aleppo, 1. cs....lb. 2.40 - 2.50
2, cs.....lb. 2.00 - 2.10
3, cs.....lb. 1.95 - 2.05
4, cs.....lb. 1.85 - 1.95
5, cs.....lb. 1.65 - 1.75
Flake, bgs.....lb. .80 - .75
Yacca, bgs., c.l., same basis as copal..lb. .03¼- —
powd., bgs., c.l., same basis,lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
Plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas: Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids Mich.: Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
Import., bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 2.00 - 2.30
Hellebore, white, root, powd., bbls.lb. 12 - .13
Helonias root, bls.....lb. .37 - .38
Hematine crystals, bbls.....lb. .16 - .24
Hemlock extract, 25% tan., bbls.lb. .03½- —
tanks.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .03¾- .04¼
Henbane leaves, bls.....lb. .21 - .22
Henna leaves, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .09 - .10
Heptane, mixed, 77-115°C., dms., c.l., Group 3..al. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09¼- —
normal, 86-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more shipments, same basis..lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts.....lb. .10 - —
l.c.l., same terms.....lb. .10½- —
tanks, same terms.....lb. .09 - —
Homatropine hydrobromide, bots., vls..oz.13.00 -13.50
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - —
Hops, dom., 1935 crop, bls....lb. .26 - .52
import., 1935 crop, bls.....lb. .55 - .80
Horehound, bls.....lb. .07 - .07½
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, vls.....oz.17.00 -17.25
Hydrochloride, vls.....oz.17.00 -17.25
Sulphate, vls.....oz.19.00 -19.25
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen, peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, bbls., kgs.....lb. 1.10 - 1.15
Hyoscine hydrobromide, vls...oz.18.00 -18.25
Hyoscyamine, vls.....oz.15.00 - —
Hydrobromide, vls.....oz.15.00 - —
Sulphate, vls.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .15 - .20
solid, bxs.....lb. .17 - .20

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .13 - .14
powd., bbls.....lb. 1.00 - —
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. .90 - —
resubl., kgs.....lb. 1.50 - 1.55
tincture, bbls.....gal. 1.90 - —
Iodoform, kgs., 100 lbs.....lb. 3.75 - 3.80
Ionone, bots.....lb. 3.25 - 4.00
Ipecac root, bgs.....lb. .95 - 1.00
powd., bxs.....lb. 1.10 - 1.15
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .22 - .30
prime, bleached, bls.....lb. .18 - .19
Iron acetate, CP, 17% solut., bbls. lb. .03 - .04
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls.....lb. .07½- .08
solut., cbys.....lb. .06¼- .06½
Iron, citrate, USP VIII, pearls, cns..lb. .72 - —
powd., cns.....lb. .84 - —
scales, cns.....lb. .77 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 2.90
syrup, djns.....lb. .37 - .38
Nitrate, coml., kgs.....lb. .02¾- .03
Iron oxalate, powd., kgs.....lb. .47 - .50
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns.lb. .54 - —
scales, cns.....lb. .59 - —
Ferrous, cns.....lb. .35 - —
Pyrophosphate, pearls, cns...lb. .59 - —
scales, cns.....lb. .64 - —
Reduced, 99%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas).
USP, cryst., bbls.....lb. .04¼- .04½
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .38
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
green, gran., cns.....lb. .37 - .38
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
Oxalate, cryst., bbls., kgs...lb. .24½- .25½
Iron-potash oxalate, cryst., bbls., kgs..lb. .42 - .43
Iron-soda oxalate, cryst., bbls., kgs..lb. .24½- .25½
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l. same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls, bxs.....lb. .21 - .22
Juniper berries bgs.....lb. .05 - .05½

K

Kamala, tins .....lb. .44 - .45
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .05½- —
Gulf ports, p.w., bulk, export.gal. .04¾- —
w.w., bulk, export.....gal. .05 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04½
Oklahoma-Texas, 41-43 w.w. tanks..gal. .03¾- .03⅞
42-44 w.w., tanks.....gal. .04 - —
Pennsylvania, 45 w.w., tanks. gal. .04⅞- .05
46 w.w., tanks.....gal. .05 - .05½
47 w.w., tanks.....gal. .05½- .05¼
Kerosene, tankwagon:—
Atlanta .....gal. .13 - —
Boston .....gal. .07½- —
Chicago .....gal. .095 - —
Cincinnati .....gal. .135 - —
Denver .....gal. .11 - —
Louisville .....gal. .10 - —
Minneapolis .....gal. .099 - —
New Orleans.....gal. .11 - —
New York.....gal. .07¼- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .06 - .06½

L

Lady slipper root, bls.....lb. .42 - .45
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.14.25 -14.50
Middlewestern, trcs....100 lbs.14.20 -14.30
Western, choice, trcs...100 lbs.14.30 -14.40
Compound, trcs.....100 lbs.13.50 -13.75
Neutral, trcs.....100 lbs.15.00 -15.25
Larkspur seed, bgs.....lb. .25 - .26
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05¾
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .60 - .75
Lead acetate, white, broken, bbls..lb. .11½- —
cryst., bbls .....lb. .11½- —
gran., bbls.....lb. .12¼- —
powd., bbls.....lb. .12¼- —
Lead arsenate, dms., c.l., consumer, E. of Rockies, lb. .10 - —
W. of Rockies.....lb. .09¾- —
dealers, E. of Rockies..lb. .09½- —
W. of Rockies.....lb. .09½- —
1,000 lbs. or more, dms., consumer, E. of Rockies..lb. .10½- —
W. of Rockies.....lb. .10¼- —
dealers, dms., E. of Rockies, lb. .10 - —
W. of Rockies.....lb. .09¾- —
less than 1,000 lbs., consumer, E. of Rockies..lb. .11 - —
W. of Rockies.....lb. .11 - —
dealers, E. of Rockies..lb. .10½- —
W. of Rockies.....lb. .10½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck. allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd., E..lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
l.c.l., dlvd., E.....lb. .06¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07¼- —
Carbonate (see Lead, white).
Chloride, pure, bxs.....lb. .40 - .50
Iodide, jars.....lb. 2.35 - 2.40
Linoleate, pale, precip., dms.lb. .18 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .20½- —
Nitrate, bbls.....lb. .09 - .09½
Oleate, bbls.....lb. .15 - —
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0875- — other points.....lb. .0850- —
Lead, red, dry, 95%, l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.lb. .09¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¾- —
Colo., Mont., N. Mex., Wyo.....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
97%, Pb_3O_4, bbls., c.l. (20 tons) dlvd., Ala., etc.lb. .09 - —
other points.....lb. .08¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons) dlvd., Ala., etc.lb. .0925- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
smaller lots, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
in oil, steel kegs, 1,000 lbs..lb. .11¼- —
500 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Resinate, fused, bbls.....lb. .09 - .10
precip., bbls.....lb. .14 - —
Stearate, bbls.....lb. .22 - .26
Sulphate (see Lead, white)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy, dlvd. lb. .10¼- —
smaller lots.....lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07½- —
other points.....lb. .07¼- —
l.c.l. dlvd. Ariz., etc..lb. .07¼- —
other points.....lb. .07½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07 - —
other points.....lb. .06½- —
l.c.l., dlvd. Ariz., etc.lb. .07¼- —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., 1,000 lbs., dlvd..lb. .10¾- —
500 lbs., dlvd.....lb. .11 - —
smaller lots, dlvd.....lb. .12 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .27 - .28
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkeley, W. Va....ton. 7.00 - —
California, northern..ton.12.25 - —
southern .....ton.11.25 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.00 - —
Farnams, Mass.....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Ten.....ton. 6.25 - —
Leroy, Minn.....ton. 6.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 7.00 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 7.50 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Petosky, Mich.....ton. 8.00 - —
Port Island, Mich...ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.14.75 - —
southern .....ton.18.75 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Petosky, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis.....ton. 9.00 - —
Siluria, Ala.....ton. 9.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio...ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind.....ton. 9.00 - —
Scioto, Ohio.....ton. 9.00 - —
Sherwood, Wis.....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Salts (see Calcium)
Lime-sulphur, dry, bgs., consumer, dlvd. Ore..lb. .06¼- .06½
Idaho, Utah, and W. Mont..lb. .07¼- .07½
Wash, (excepting Ferry, Lincoln, Pend-Oreille, Spokane, Stevens, and Whiteman counties)..lb. .06½- .06¾
dealers, dlvd. E. of Rockies, except Fla..lb. .07¾- .08¼
Ore.....lb. .05¾- —
Idaho, etc.....lb. .06¾- —
Wash. (as above)...lb. .06 - —
jobbers, dlvd. E. of Rockies, except Fla..lb. .07¼- .08¼
Ore.....lb. .05½- —
Idaho, etc.....lb. .06½- —
Wash. (as above)...lb. .05¾- —
dms., dealers, dlvd. E. of Rockies, except Fla..lb. .11 - .12
Fla.....100 lbs. 1.90 - 2.00
jobbers, dlvd. E. of Rockies, except Fla..lb. .10½- —
Lime-sulphur solution, dms., consumer, c.l., works, fr't all'd..gal. .13½- .16½
dealer, fr't all'd.....gal. .13 - .16
l.c.l., consumer, fr't all'd gal. .15 - .18
dealer, fr't all'd.....gal. .14 - .17
tanks, consumer, dlvd...gal. .11½- —
dealer, dlvd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, bots.....lb. 1.50 - 2.25
Linden flowers, with leaves, bls.lb. .15 - .16
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.34.00 - —
Meal, 32%, dom., bgs.....ton.42.50 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0775- —
other points.....lb. .0750- —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
Lithium bromide, jars.....lb. 1.70 - 1.75
Carbonate, bbls.....lb. 1.25 - 1.30
Chloride, bbls.....lb. 1.65 - 2.00
Citrate, bbls.....lb. 1.40 - 1.50
Iodide, bots., jars.....lb. 4.70 - 4.75
Fluoride, bbls.....lb. 2.00 - 2.50
Lithopone, dom., high-strength, bgs., 1,000 lbs., dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 1,000 lbs., same basis..lb. .04¼- —
smaller lots, same basis.lb. .04½- —
bbls., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis lb. .04¾- —
titanated, bgs, 1,000 lbs., same basis..lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls.lb. .16 - .20
liquid, 51°, bbls.....lb. .08½- .10½
solid, bxs.....lb. .13½- .17
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .35 - .37
Lupulin, N.F., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. .95 - 1.00

M

Mace, Banda, cs.....lb. .62 - .64
Batavia, cs. .....lb. .48 - .49
Siauw 1. cs.....lb. .55 - .57
Madder, Dutch, ogs.....lb. .22 - .25
Magnesia arsenate, bgs.....lb. .18 - .20
Calcined, dom., four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis..lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis..lb. .30 - —
import., heavy, pharm., bbls. lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., bgs., c.l., works..lb. .06 - .06¼
USP, bbls., c.l.....lb. .08½- .09
Chloride, flake, dom., bbls., works..ton39.00 -42.00
Hypophosphite, cns.....lb. 1.45 - 1.50
Oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import., bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewehah, Wash...ton.22.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.. .....lb. .09½- .10

Manganese acetate, dms.....lb. .25½- .26½
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Chloride, bbls.....lb. .07½- .08
Dioxide, Caucasian, 85-90%, csks., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs.,c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., cans., 100 lbs..lb. 2.60 - 2.65
Hydrate, bbls., dlvd.....lb. .80 - —
Iodide, bots., jars.....lb. 5.10 - 5.15
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .17½- .19
Ore, 52% basis, bbls., c.l.f. Atl. pts..unit-ton. .26 - .27
Resinate, fused, 3½%, bbls..lb. .08½- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd.,bbls.,works.lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South.....ton.48.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt., ton.26.00 -27.00
Extract, 55%, bgs.....lb. .04 - —
Manna, flake, large, cs.....lb. .38 - .40
small, cs.....lb. .23 - .25
Mannitol, pure, cryst., cs., works lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17 - .17½
Tunisan, bls.....lb. .16½- .17
Matico leaves, bls.....lb. .29 - .30
Menthol, cs.....lb. 3.10 - 3.20
synthetic, cs.....lb. 2.25 - 2.50
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb., lots.....lb. 3.10 - —
Mercurial ointment, 30%, cns..lb. .82 - —
50%, cns.....lb. 1.19 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, kgs.....lb. 1.33 - —
Chloride (see Calomel)
Iodide, red, kgs., jars.....lb. 3.55 - 3.60
Yellow, kgs., jars.....lb. 3.65 - 3.70
Nitrate ointment (see Citrine ointment)
Mercury oxide, black, dms., kgs. lb. 3.85 - —
Red, N.F. (see Red precipitate)
tech. (see Red, mercury oxide)
Yellow, dom., tech., bbl....lb. 1.49 - —
USP, dms., kgs.....lb. 1.91 - —
Mercury and chalk, kgs.....lb. .90 - .91
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.65 - 1.90
Gold,XX deep,3⅜x3⅜ in.pkg.14.50 -15.00
3⅜x3⅜ in.....pkg.16.00 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in.....pkg.21.50 -22.00
3⅜x5⅛ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.50 - 2.75
Metanitroanilin, kgs.....lb. .67 - .69
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat. grade, dms., c.l., frt. alld....gal. .53 - —
tanks, frt. alld.....gal. .48 - —
contracts, frt. alld....gal. .45 - —
95%, dms., c.l., Zone 1, frt. alld..gal. .37½- —
2, frt. alld.....gal. .39½- —
3, frt. alld.....gal. .40½- —
4, frt. alld.....gal. .42½- —
5, frt. alld.....gal. .42½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40 - —
2, frt. alld. or dlvd..gal. .44½- —
3, frt. alld. or dlvd..gal. .43 - —
4, frt. alld. or dlvd..gal. .58 - —
5, frt. alld. or dlvd..gal. .49½- —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .34½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .36½- —
5, frt. alld.....gal. .36½- —
97%, dms., c.l., Zone 1, frt. alld..gal. .38½- —
2, frt. alld.....gal. .40½- —
3, frt. alld.....gal. .41½- —
4, frt. alld.....gal. .43½- —
5, frt. alld.....gal. .43½- —
Methanol, natural 97%, dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .41 - —
2, frt. alld. or dlvd..gal. .45½- —
3, frt. alld. or dlvd..gal. .44 - —
4, frt. alld or dlvd..gal. .59 - —
5, frt. alld. or dlvd..gal. .50½- —
tanks, Zone 1, frt. alld..gal. .34 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .37½- —
4, frt. alld.....gal. .37½- —
5, frt. alld.....gal. .37½- —
pure, dms., c.l., Zone 1, frt. alld..gal. .40 - —
2, frt. alld.....gal. .42 - —
3, frt. alld.....gal. .43 - —
5, frt. alld.....gal. .45½- —
6, frt. alld.....gal. .45 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .42½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .45½- —
4, frt. alld. or dlvd..gal. .61 - —
5, frt. alld. or dlvd..gal. .52 - —
tanks, Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .39 - —
4, frt. alld.....gal. .39 - —
5, frt. alld.....gal. .39 - —

Methanol prices, bbls., 2½c. gal. more than drums.

Synthetic, guaranteed 99.5%, dms., c.l., Zone 1, frt. alld..gal. .40 - —
2, frt. alld.....gal. .42 - —
3, frt. alld.....gal. .43 - —
4, frt. alld.....gal. .45½- —
5, frt. alld.....gal. .45 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .42½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .45½- —
4, frt. alld. or dlvd..gal. .61 - —
5, frt. alld. or dlvd..gal. .52 - —
tanks, Zone 1, frt. alld.gal. .35½- —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .39 - —
4, frt. alld.....gal. .39 - —
5, frt. alld.....gal. .39 - —

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash.; Zone 5, N. Mex., Texas, Wyo.

Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld. .....lb. .29½- —
Acetone, dms., c.l., contracts, Zone 1, frt. alld..lb. .45½- —
2, frt. alld.....gal. .47½- —
3, frt. alld.....gal. .48½- —
4, frt. alld.....gal. .51 - —
5, frt. alld.....gal. .50½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .48 - —
2, frt. alld. or dlvd....gal. .52½- —
3, frt. alld. or dlvd....gal. .51 - —
4, frt. alld. or dlvd....gal. .65½- —
5, frt. alld. or dlvd....gal. .58½- —
tanks, contracts, Zone 1, frt. alld..gal. .41 - —
2, frt. alld.....gal. .42½- —
3, frt. alld.....gal. .44½- —
4, frt. alld.....gal. .44½- —
5, frt. alld.....gal. .44½- —

Methyl acetone in bbls. 2½c. per gal. more, in all brackets. The sales zones are: Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, L. A. and San Fran., Cal.; Portland, Ore.; Seattle, Wash.; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah and Wash.; Zone 5, N. Mex., Tex., Wyo.

Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .52½- —
2, frt. alld. E. of Rockies, gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
2, frt. alld. E. of Rockies, gal. .59½- —
3, Pacific coast.....gal. .58 - —
tanks, Zone 1, frt. alld. E of Rockies..gal. .48 - —
2, frt. alld. E. of Rockies, gal. .49½- —
3, Pacific coast.....gal. .51 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific coast.

Methyl alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, bots.....lb. .70 - 1.00
Chloride, cylrs.....lb. .37 - .43
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins.....lb. .42 - .45
Violet toner, bbls. (500 lbs.).lb. .40 - —
smaller lots.....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylanthraquinone, bbls.....lb. .80 - .83
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....gal. .12 - —
tanks, same terms.....gal. .10½- —
Methylene, blue, medicl., kgs..lb. 2.00 - 2.25
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks, wks.....gal. .70 - —
Methylpropyl carbinol (see Carbinol).
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 8.00 - —
l.c.l., same basis.....ton.10.00 - —
180 mesh, containers extra, c.l., same basis..ton.10.00 - —
l.c.l., same basis.....ton.12.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.17.00 - —
l.c.l., same basis.....ton.19.00 - —
Mica, dry-grd., plastic, No. 100, 46 mesh, bgs..c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 160 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.40.00 -50.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
200, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-grd., 160 mesh, pure white, bgs., c.l., dlvd., E. of Miss. R...100 lbs. 4.50 - —
W. of Miss. R...100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 4.50 - —
standard, bgs., c.l., works, frt. alld. E. of Miss R. 100 lbs. 3.50 - —
W. of Miss. R.100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 3.50 - —
Michler's ketone, kgs.....lb. 2.50 - —
Milk powder, skimmed, roller, bbls., c.l..lb. .10¼- —
l.c.l.....lb. .11¼- —
spray, bbls., c.l.....lb. .11 - —
l.c.l.....lb. .12 - —
unskimmed, roller, bbls., c.l.lb. .21½- .22
l.c.l.....lb. .22 - .22½
spray, bbls., c.l.....lb. .21½- .22
l.c.l.....lb. .22 - .22½
Millet seed, bgs.....lb. .03½- .04
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdenum metal, 98%, powd., kgs..lb. 1.80 - 2.15
Monoamylamine, dms., l.c.l., works..lb. 1.00 - —
Monochlorobenzene, dms.....lb. .06 - .08½
l.c.l., same basis.....lb. .30 - —
Monoethanolamine, dms., c.l., works..lb. .31 - —
l.c.l., dms .....lb. .32 - —
tanks .....lb. .30 - —
Monoethylanilin, dms.....lb. .77 - .79
Monomethyl para-aminosulphate, dms..lb. 3.75 - 4.00
Morphine, cns.....oz.10.00 -10.95
Acetate, bots.....oz. 8.80 - 8.85
Ethylhydrochloride, vls.....oz.10.50 -10.55
Hydrobromide, cns.....oz. 8.70 - 8.75
Sulphate, cns.....oz. 8.75 - 8.80
Mullein flowers, cns.....lb. .85 - .90
Leaves, bls.....lb. .07 - .08
Musk, nat., Cabardine, grained, bots..oz. No stocks
pods, bots.....oz. No stocks
Tonquin, grained, bots.....oz.21.00 -22.00
pods, bots.....oz.14.50 - —
synth., ambrette, cns.....lb. 4.20 - —
Ketone, cns.....lb. 4.35 - —
Xylol, 100%, cns.....lb. 1.25 - —
Musk Root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .05½- .06
California, brown, bgs.....lb. .06½- .07
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .03½- .05¾
Danish, yellow, bgs.....lb. .08¼- .08¾
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08¾- .09¼
Hungarian, yellow, bgs.....lb. .07¼- .07½
Montana, brown, bgs.....lb. .07¾ Nom.
yellow, bgs.....lb. .07 - .07½
Roumanian, yellow, bgs...lb. .06½- .07
Myrobalans, J1, bgs., shipt...ton.26.50 - —
J2, bgs, shipt.....ton.16.75 - —
R2, bgs., shipt.....ton.16.25 - —
Extract, liquid, 25%, bbls....lb. .04¼- —

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 lbs. 3.00 Nom.
import., 74-78% bgs., Atlantic ports..100 lbs. 3.00 Nom.
Naphthalene refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
cs., same basis.....lb. .07½- —
pkgs, (16 oz.), same basis. lb. .08 - —
(12 oz.), same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - —
Chloride, bbls.....lb. .18 - .19¼
kgs. .....lb. .21 - .22
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¼
single, bbls.....lb. .13 - .13¼
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., works..lb. .26 - —
Nitrocellulose, lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable. A contract price of 25c. is standard for consumers of 10,000 pounds of nitrocellulose a year.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports Jan.-June unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., Jan.-Apr. shipt...unit-ton. 3.50 - —
Chemical, Ill..unit-ton. 3.40 - Nom.
East Coast producing points..unit-ton. 3.50 - Nom.
import., bgs., c.i.f. Atlantic ports, shipt..unit-ton. 3.25 - Nom.
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19 - .19½
110s, 80s, bgs, cs.....lb. .16½- .17
West Indian, bgs.....lb. .16 - .16½
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06½- .07

O

Oakbark extract, 25% tan., bbls. lb. .03½- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .11 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3 .....gal. .08½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
small lots, works.....lb. .20 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .70 - .72
Amber, crude, cns.....lb. .20 - .21
refd., cns.....lb. .52 - .57
Amyris, cns.....lb. 2.70 - 2.75
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.72.00 -90.00
Anilin (see A)
Anise, USP, cns, dms.....lb. .95 Nom.
Apricot kernel, dom., dms., frt. alld..lb. .23½- .26
spot .....lb. .26 - .28
Russian, dms... .....lb. .19 - .20
Babassu, tanks.....lb. .10½- .11
Bay, W.I., cns.....lb. 1.30 - 1.50
Bergamot, artif., cns.....lb. 1.00 - 1.30
natural, coppers.....lb. 2.95 - 3.05
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectifd., cns.....lb. .70 - .75
Bois de rose, Brazil, cns...lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .45 - .46
USP IX, cns.....lb. .47 - .48
Calamus, cns.....lb. 3.50 - 3.75
Camphor, sassafrassy, cns..lb. .15 - .15½
dms. .....lb. .13½- .14
white, cns. .....lb. .16 - .16¼
dms. .....lb. .14½- .15
Cananga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.35

Manganese—Oil, Lemongrass

Oil, capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.00 - 2.25
Cardamom, bots.....lb.15.00 -32.00
Casaia, USP, cns., dms.....lb. .90 - .95
Castor, blown, one-way dms., c.l..lb. 12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls, c.l.....lb. .10¾- —
l.c.l. .....lb. .11½- —
cns. (1-gal.), l.c.l.....lb. .14½- —
dms. (returnable), c.l....lb. .10½- —
l.c.l. .....lb .11¾- —
(5-gal.), l.c.l.....lb. .12¾- —
tanks .....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¼- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l....lb. .10 - —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09½- —

Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c higher than N. Y.; l.c.l. prices, ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l.lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb .12½- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .21½- .24½
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns., 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .15 Nom.
tanks, futures.....lb. .1370- .1380
Cinnamon, Ceylon, bots.....lb. 9.00 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .32 - .34
dms. .....lb. .29 - .31
Java, dms.....lb. .39 - .44
Clove, USP, cns.....lb. 1.08 - 1.10
dms. .....lb. 1.05 - —
Coconut, Manila, crude, tanks, futures..lb. .09 Nom.
Pac. Cst.....lb. .08½Nom.
edible, 76°, tax incl., dms., (returnable), c.l. .14¼- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14 - —
Cod, Newfoundland, tanked, bbls..gal. .48½ Nom.
Norwegian, bbls.....gal. .38 - .40
Codliver, med., Norwegian, bbls. bbl.25.00 -27.00
poultry, USP, bbls.....gal. .70 - .75
Coriander, bots.....lb. No stocks
Corn, crude, tanks, works...lb. .10½Nom.
refd., bbls.....lb. .12¾ Nom.
Cottonseed, dom., cooking, bbls. 100 lbs.12.65 - —
salad, bbls.....100 lbs.12.80 - —
import., Brazilian semi-refd., dms..lb. .07¼ Nom.
British, semi-refd., dms..lb. .07¾ Nom.
Cresote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.25
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, cns.....lb.12.00 - —
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.65 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 5.00 - 5.50
Dip (see D).
Erigeron, cns.....lb. 1.45 - 1.55
Eucalyptus, cns.....lb. .41½- .43½
dms. .....lb. .39 - .41
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. .95 - 1.10
Louisiana-Arkansas, 10-14, bbl. .60 - .75
N. Y. and N. J. terminals:—
Monday .....bbl. 1.15 - —
Tuesday .....bbl. 1.15 - —
Wednesday .....bbl. 1.15 - —
Thursday .....bbl. 1.15 - —
Friday .....bbl. 1.15 - —
Saturday .....bbl. 1.15 - —
North Texas, 18-22.....bbl. .72½- .80
24-28, zero cold test..bbl. .95 - 1.00
Oklahoma, 18-22.....bbl. .72½- .80
24-28, zero cold test..bbl. .95 - 1.05
24-28, 15 and above...bbl. .80 - .85
Pennsylvania, 36-40....gal. .04½- .04¾
Furnace, Bayonne, 1. bulk, refinery..gal. .04¾- .05
2, bulk, same basis....gal. .04½- —
3, bulk, same basis....gal. .04½- —
4, bulk, same basis....gal. .04¼- —
Louisiana - Arkansas, 38 - 40, light straw.....gal. .03¾- .03½
Oklahoma, 28-30.....gal. .02¾- .03
32-36 .....gal. .03¼- .03¼
36-38 .....gal. .03½- .03¾
38-40, straw.....gal. .03¼- .03¾
38-40, zero, 60 e.p.....gal. .03¾- .03½
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04½- —
Gulf Coast, bulk.....gal. .03¾- .03¾
North Texas, bulk.....gal. .02½- .02¾
Oklahoma, bulk.....gal. .03 - .03½
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.85 - 6.25
Bourbon, cns.....lb. 4.75 - 5.65
Turkish, cns.....lb. 1.60 - 2.00
Grapefruit, cns.....lb. 2.85 - 2.90
Ginger, dist., bots.....lb. 5.25 - 7.25
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 3.25 - 3.35
import, bots.....gross 3.40 - 3.50
Halibut-liver, dms..... 1,000 A unit-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Herring, tanks, Pan. Cst..gal. .31 - —
Juniper berry, USP, cns.....lb. 1.00 - 2.00
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .35 - .50
cns. .....lb .32 - .37
Lard, common, 1, bbls..100 lbs.12.25 - —
2, bbls.....100 lbs.11.75 - —
extra, bbls.....100 lbs.13.00 - —
1, bbls.....100 lbs.12.25 - —
headlight, burning bbls.100 lbs.14.25 - —
prime, ed., bbls.....100 lbs.16.25 - —
ined, bbls.....100 lbs.14.25 - —
winter, strained, extra bbls., 100 lbs.13.25 - —
prime, bbls.....100 lbs.13.50 - —
Lavender flowers, French cns..lb. 2.25 - 6.75
Garden, cns.....lb. .45 - .50
Spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 2.85 - 3.35
Lemongrass, native, cns., dms. lb. .55 - .63

Oil, Lime—Pet. Lacquer, Dil.

Oil, lime, dist., cns.....lb. 5.45 - 6.00
expressed, cns.....lb. 9.35 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .1050- .1070
l.c.l., 5 or more.....lb. .1090- .1110
less than 5.....lb. .1130- .1160
tanks .....lb. .0990- .1010
double boiled, bbls., less than 5..lb. .1150- .1170
raw, bbls., c.l.....lb. .1010- .1030
l.c.l., 5 or more.....lb. .1050- .1070
less than 5.....lb. .1090- .1110
tanks .....lb. .0950- .0970
Lovage, bots.....lb.46.00 -56.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70 vis., tanks..gal. .21½- —
80, 100 vis., tanks..gal. .24½- —
115, 125 vis., tanks..gal. .26½- —
green, pale, 750, 900 vis., tanks..gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks..gal. .21½- —
pale, red, 100, 140, 1,000 vis., tanks..gal. .21½- —
pale, 75, 175 vis..tanks..gal. .21½- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .19½- —
15-25 pour, tanks..ga.. .19 - —
150-160 D, 0-10 pour tanks..gal. .21 - —
15-25 pour, tanks..gal. .20½- —
150-160 E, 15-25, pour, tanks..gal. .20 - —
190-200 D, 15-25 pour, tanks..gal. .24 - —
200-210 E, 15-25 pour, tanks..gal. .23 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .12½- —
180 vis., 3 colors, tanks, gal. .13½- —
4 color, tanks....gal. .13 - —
200 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
250 vis., 3 color, tanks, gal. .15 - —
4 color, tanks....gal. .14½- —
280 vis., 3 color, tanks, gal. .16 - —
4 color, tanks....gal. .15½- —
300 vis., 3½ color, tanks..gal. .16½- —
350 vis., same basis, gal. .17 - —
400 vis., same basis, gal. .17½- —
500 vis., same basis, gal. .18 - —
600 vis., same basis, gal. .18½- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penna., bright, 600 cold test, 10-40 pour, tanks.. gal. .24½- —
10-15 pour, tanks.....gal. .25½ —
cylinder, 600 fire, tanks, gal. .17 - —
600 flash, tanks.....gal. .19½- —
630 flash, tanks.....gal. .21 - —
635 fire, tanks.....gal. .18½- —
650 fire, tanks.....gal. .18½- —
Warren, E, amber, tanks, gal. .20 - —
neutral, 150 vis....3 color, tanks..gal. .23- —
180 vis., 3 color,tanks.gal. .25½- —
200 vis.,2 color,tanks.gal. .26½- —
spot, Penna, bright, bbls., c.l., f.a.s..gal. .32 - —
unfiltered, 600 s.r., bbls., c.l., f.a.s..gal. .24 - —
600 flash, s.r., bbl., c.l., f.a.s..gal. .26 - —
650 s.r., bbls., c.l., f.a.s. gal. .23¾- —
Warren, E, bbls., c.l.,f.a.s. gal. .26 - —
smaller lots, f.o.b..gal. .30 - —
Mace, dist., cns.....lb. 1.10 - 1.15
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms., c.l.....lb. .0840- —
l.c.l. .....lb. .0840- —
tanks .....lb. .0780- —
blown, dms.....lb. .0840- —
kettle-bodied, dms.....lb. .0940- —
light pressed, dms., c.l....lb. .0780- —
l.c.l. .....lb. .0780- —
tanks .....lb. .0720- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., bots..lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .75 - .80
Neatsfoot, cold test, bbls. 100 lbs.17.00 - —
extra, bbls.....100 lbs.12.50 - —
1, bbls .....100 lbs.12.25 - —
pure, bbls.....100 lbs.11.50 - —
Special, bbls.....100 lbs.13.25 - —
sulphonated, common, 25% moisture dms..lb. 10½- —
Neroli bots.....lb.50.00 - 1.30
Neroli USP. cns.....lb. 1.10 - 1.15
Oiticia, dms.....lb. .11 - .11½
Oleo, 1, bbls.....100 lbs.14.00 - —
2, bbls.....100 lbs.13.50 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.60 Nom.
edible, bbls.....gal. 2.10 Nom.
foots, bbls.....lb. .10½Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .11½- —
75% (63% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15 - —
80% (68% fat), dms., c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
Orange, sweet, dist., cans...lb. .90 - —
expressed, African, cns., dms..lb. 1.20 - 1.25
Calif., cns.....lb. 3.25 Nom.
Florida, cns.....lb. No prices
Messina, USP, coppers.lb. 2.75 - 4.50
Spanish, cns.....lb. No stocks
West India, cns.....lb. 1.95 - 2.05
Origanum, Spanish, cns.....lb. .90 - 1.25
Orris, Florentine, concrete, extra strong, bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .06½Nom.
shipment .....lb. .06¼Nom.
softs, 12½%, bulk, shipt....lb. .06¼Nom.
20%, bulk, shipt.....lb. .06 Nom.
Sumatra, shipment, bulk...lb. .06½Nom.
Palmarosa, cns.....lb. 1.60 - 2.00
Palmkernel, bulk, shipt.....lb.0830 - —
dom., tanks.....lb. .08½- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G, 3..gal. .05½- —
80-85 vis., bbls. extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls. extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots.....lb. 5.00 - 6.00
Oil, peanut, crude, dom., tanks, works..lb. .10⅜Nom.
refd., edible, bbls.....lb. .13¾Nom.
Oriental, crude, bulk shipt.lb. .0740- —
Pennyroyal, dom., cns.....lb. 1.65 - 1.75
import, cans.....lb. 1.60 - 1.85
Peppermint, natural, cans, dms. lb. 2.25 - 2.50
redist., USP, cns, dms.....lb. 2.50 - 2.75
Perilla, dms.....lb. .11½- .11¾
tanks .....lb. .11 - .11¼
Petitgrain, Paraguay, cns...lb. 1.05 - 1.10
Pimento berry, cns.....lb. 3.00 - 3.10
Leaf, cns.....lb. 1.25 - 1.30
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - —
steam-dist., straw-color, bbls. gal. 55
tanks .....gal. 54
water-white, bbls.....gal. 54
tanks .....gal. .80 - —
Pineneedle, Siberian, cns...lb. .85 - .90
Putty, bbls, El Segundo, Richmond, Cal..gal. .22½
contracts .....gal. .19½-
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid...gal. .25½- —
l.c.l., same basis.....gal. .27 - —
tanks same basis.....gal. .18 - —
Martinez, Cal.....gal. .20 - —
Rapeseed, blown, bbls.....lb. .13¼- .13½
denat., bbls. .....gal. .82 - .85
Red, dist. or saponif., bbls., dlvd..lb. .10⅝- .11⅝
dms., dlvd.....lb. .10½- .11½
tanks, dlvd.....lb. .09¾- —
white, dms.....lb. .12½- .14
Rose, artif., bots.....oz. 2.00 - 3.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .43 - .48
dms .....lb. .37 - .42
Rosin, 1st rectfd., dms.....gal. .69 - .71
2d rectfd., dms.....gal. .71 - .73
3d rectfd., dms.....gal. .75 - .77
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.65 - 1.70
Sandalwood, Australia, cns...lb. 4.50 - 5.00
E.I., USP, cns.....lb. 4.80 - 5.50
Sardine, crude, tanks, Pac. Cst..gal. .46 - .47
rfd., alkali, dms., c.l.....lb. .0840- —
l.c.l. .....lb. .0840- —
tanks .....lb. .0780- —
kettle-bodied, dms.....lb. .0940- —
light, pressed, dms., c.l.lb. .0780- —
l.c.l. .....lb. .0780- —
tanks .....lb. .0720- —
poultry feed, dms., Pac. Cst., gal. .50 - —
Sassafras, artif., dms.....lb. .31½- .32½
cns. .....lb. .34½- .35½
natural, cns., dms.....lb. .75 - 1.25
Savin, cns.....lb. 1.70 - 1.75
Savory, cns.....lb. 3.50 - 3.75
Sesame, dom., refd., white, dms. lb. .13½- Nom.
yellow, dms.....lb. .13¼- Nom.
Shingle stain, bbls., c.l., works. gal. .17½- —
l.c.l., works .....gal. .20 - —
tanks, works.....gal. .14½- —
Snakeroot, Canada, cns.....lb.11.00 -12.00
Soybean, dom., crude, dms...lb. .1150- —
tanks .....lb. .1050- Nom.
refd., dms. .....lb. .12 - .12½
tanks .....lb. .11½- Nom.
Spearmint, USP, cns.....lb. 1.75 - 2.00
Sperm, bleach, 38°, dms.....lb. .1060- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sunflower seed, refd., dms..lb. .12½- .12¾
Sweet birch, North, cns.....lb. 3.50 - 3.75
South., cns.....lb. 1.90 - 2.10
Tallow, acidless, bbls....100 lbs.12.25 - —
tanks .....100 lbs.11.75 - —
Tansy, cns.....lb. 3.10 - 3.25
Tar, comm'l., dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, dms.....lb. .13 - .14½
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms.....lb. .80 - 1.35
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 4.00 - 5.00
Valerian, bots.....lb.13.50 -14.00
Vetiver, Bourb., bots.....lb. 8.00 -18.00
Walnut, crude, dms.....lb. .15 - .15¼
refd., dms.....lb. .16 - .16¼
Whale, refd., natural, dms...lb. .0810- .0830
winter, bleach, dms.....lb. .0850- .0870
Wheat germ, cns., dms....gal.27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms..gal. .54 - .56
95-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .75½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80½
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 75-85 vis., dms..gal. .52 - —
145-155 vis., dms.....gal. .74½- —
185-190 vis., dms.....gal. .76½- —
275-285 vis., dms.....gal. .80 - —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.00 - 2.10
Wormwood, cns.....lb. 3.00 - 3.25
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots.....lb.26.00 -30.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .11½- —
Ariz., Idaho, Nev.,Utah and E. of Cascade Mts. in Ore. and Wash..lb. .12 - —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¾- —
smaller lots, dlvd. Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, cake., ex-dock..lb. .17 - —
kgs., ex dock.....lb. .18¼- —
Peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .09½- .10
Toner bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .36
Orris root, Florentine, bgs....lb. .08 - .09
fingers, cs.....lb. .95 - 1.00
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l., works..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt equal..lb. .05 - —
l.c.l., dms, same basis...lb. .06 - —
100 lb. tins, same basis.lb. .07 - —
50 lb. tins, same basis..lb. .08 - —
tanks, same basis.....lb. .04½- —
Orthonitroanilin, dms.....lb. .48 - .60
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrophenol, kgs.....lb. .85 - .90
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst., bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. .95 - 1.00
Paprika, Hungarian, bgs.....lb. .21 - .22
Spanish, extra fancy, cs.....lb. .27 - .28
fair, bgs.....lb. .21½- .22
fancy, bgs.....lb. .23 - .23½
medium, bgs.....lb. .22 - .22½
Para-aminoacetanilide, kgs...lb. .85 Nom.
Para-aminophenol, bgs., bbls..lb. 1.05 - —
Hydrochloride, bbls.....lb. 1.25 - —
Para-amylphenol, tertiary, dms., c.l., works..lb. .26 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kegs .....lb. .18 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy...lb. .02⅝- .02½
bbls, c.l., N. Y.....lb. .0240- —
124-126 A.m.p., bgs., c.l., Okla. refy..lb. .02¼- .02⅝
bbls., c.l., N. Y.....lb. .0245- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼- Nom.
fully refd., slabs, 120-122 A.m.p., bgs., c.l..lb. No prices
123-126 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y..lb. .0440- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y..lb. .04½- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s. N. Y..lb. .04¾- —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0490- —
133-135 A.m.p., bgs., c.l..lb .0555- —
export, f.a.s., N. Y..lb. .05½- —
135-137 A.m.p., bgs., c.l.lb. .0580- —
export, f.a.s., N. Y..lb. .05¾- —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
Refined paraffin prices in cases are ½c. lb. higher than bags price.
Match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03 - —
semirfd., solid, 122-124 A.m.p., bgs..lb. 02¾- Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.....lb. .24 - —
100 to 900 lb. shipments, same basis..lb. .25 - —
Paraldehyde, tech., dms., wks.lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroanilin, kgs., c.l., works. lb. .45 - —
l.c.l., kgs., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23½- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .16 - .17
Paris green, dealer, dms., c.l., f.o.b. N. Y., frt. all'd E. of Cleve..lb. .21 - .23
1,000 lbs. and up, same basis, lb. .22 - .24
less than 1,000 lbs., same basis..lb. .23 - .25
Passion flower herb, bls.....lb. .06 - .06½
Patchouli leaves, bls.....lb. .15 - .16
Pellitory root, bls.....lb. .16 - .17
Pennyroyal, bls.....lb. .13 - .14
Pentane, nom., 28-38°, dms., c.l., G.3—gal. .12½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .09½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .09½- .10
Lampong, bgs.....lb. .06⅞- .07
Tellicherry, bgs.....lb. .10 - .10¼
Red, birdseye, bgs.....lb. .13½- .14
Japanese, 1, bgs.....lb. .12 - .12½
Mombassa, bgs.....lb. .16¼- .16⅝
White, Borneo, bgs.....lb. .11 - .11¼
Java, Muntok, bgs.....lb. .11 - .11½
Saigon, bgs.....lb. No stocks
Singapore, Muntok, bgs....lb. .11 - .11½
Peppermint leaves, dom., bls..lb. .24 - .25
import, bls.....lb. .34 - .39
Peru balsam, dms.....lb. 1.10 - 1.15
Petrolatum, amber, dark, bbls., c.l..lb. .02⅝- .02⅞
light, bbls., c.l.....lb. .03½- .03⅝
medium, bbls., c.l.....lb. .02⅞- .03⅛
cream, bbls., c.l.....lb. .05 - .05½
green, dark, bbls., c.l.....lb. .02½- .02⅝
red, bbls., c.l.....lb. .02⅝- .02⅞
veterinary, bbls., c.l.....lb. .02⅝- .02⅞
white, lily, bbls., c.l.....lb. .06 - .06¼
snow, bbls., c.l.....lb. .07 - .07¼
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.66
Belridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00
East Coyote.....bbl. .76 - .96
Elk Hills.....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship. bbl. 1.28 - 1.43
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Petroleum, crude, bulk, at wells,
California, Kern River.bbls. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.32
McKittrick .....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Olinda Brea.....bbl. .76 - 1.27
Orcutt .....bbl. .70 - .96
Playa del Rey, f.o.b. pipeline .....bbl. .80 - 1.16
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Canada:—
Oil Springs .....bbl. 2.17 - —
Petrolia .....bbl. 2.10 - —
Central West:—
Illinois .....bbl. 1.22 - —
Lima .....bbl. 1.15 - —
Midland (Mich.).....bbl. 1.32 - —
Princeton .....bbl. 1.13 - —
East Texas.....bbl. 1.15 - —
Gulf Coast:—
Barber's Hill.....bbl. .92 - 1.22
Batson .....bbl. .92 - 1.22
Conroe .....bbl. 1.24 - 1.34
Dayton .....bbl. .92 - 1.22
Evangeline .....bbl. .92 - 1.22
Goose Creek.....bbl. .92 - 1.22
Gulf Coast:—
High Island.....bbl. .92 - 1.22
Hull .....bbl. .92 - 1.22
Humble .....bbl. .92 - 1.22
Liberty .....bbl. .92 - 1.22
Markham .....bbl. .92 - 1.22
Orange .....bbl. .92 - 1.22
Pettus .....bbl. 1.25 - —
Pierce Junction.....bbl. .92 - 1.22
Port Lavaca.....bbl. .80 - —
Refugio, heavy.....bbl. .90 - —
light .....bbl. .92 - 1.22
Saratoga .....bbl. .92 - 1.22
Sour Lake.....bbl. .92 - 1.22
Spindle Top.....bbl. .92 - 1.22
Sugarland .....bbl. .92 - 1.22
Terry .....bbl. .92 - 1.22
West Columbia.....bbl. .92 - 1.22
Kentucky, Tennessee:—
Oil City, in Stoll lines.bbl. 1.00 - —
Somerset .....bbl. 1.30 - 1.38
Western Kentucky, all gravities..bbl. 1.28 - —
Louisiana, Arkansas:—
Bosco .....bbl. 1.02 - —
Bull Bayou.....bbl. .71 - 1.08
Caddo .....bbl. .78 - 1.10
Cameron Meadows.....bbl. .82 - 1.12
Cotton Valley.....bbl. .78 - 1.10
De Soto.....bbl. .78 - 1.10
El Dorado.....bbl. .78 - 1.10
Haynesville .....bbl. .78 - 1.10
Homer .....bbl. .78 - 1.10
Iowa .....bbl. .72 - 1.03
Lockport .....bbl. .92 - 1.22
Miller County.....bbl. .78 - 1.10
Nevada .....bbl. .65 - —
Pine Island.....bbl. .86 - 1.10
Rodessa .....bbl. .78 - 1.10
Smackover .....bbl. .75 - .80
Urania .....bbl. .97 - —
Mexico, f.o.b. terminals, Mexican ports—based on contract:—
Panuco .....bbl. 1.05 - —
Tax, 13.35c. per bbl.
Tuxpan .....bbl. No prices.
Tax, 21.815c. per bbl.
Midcontinent:—
Corsicana .....bbl. .86 - —
North Texas.....bbl. .86 - 1.25
Oklahoma-Kansas ....bbl. .86 - 1.35
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.45 - —
Corning .....bbl. 1.32 - —
Pennsylvania grade, in Buckeye lines..bbl. 2.12 - —
Eureka lines.....bbl. 2.27 - —
S.W. Penn lines....bbl. 2.32 - —
lower district in National Transit lines.bbl. 2.52 - 2.57
Rocky Mountain:—
Big Muddy.....bbl. 1.11 - 1.23
Cat Creek.....bbl. 1.07 - 1.45
Elk Basin.....bbl. 1.18 - —
Fort Collins-Wellington.... bbl. 1.06 - 1.30
Frannie, heavy.....bbl. .62 - —
light .....bbl. .70 - —
Grass Creek, heavy....bbl. .62 - —
light .....bbl. 1.18 - —
Greybull .....bbl. 1.28 - —
Lance Creek.....bbl. .75 - 1.02
Pondera .....bbl. 1.05 - —
Rock Creek.....bbl. 1.08½- —
Salt Creek.....bbl. .94 - 1.18
Sunburst .....bbl. 1.15 - —
South, Central and Southwestern Texas:—
Cass County.....bbl. .86 - 1.10
Darst Creek.....bbl. .87 - 1.02
Luling .....bbl. .90 - —
Lytton Springs.....bbl. 1.00 - —
Mirando .....bbl. .90 - —
Panola County.....bbl. .84 - 1.08
Salt Flat.....bbl. 1.02 - —
Saxet .....bbl. .90 - —
Tomball .....bbl. 1.30 - —
Van .....bbl. .79 - 1.00
Texas Panhandle:—
Carson-Hutchinson counties, Gray County.....bbl. .81 - 1.10
West Texas:—
Artesia, N. M.....bbl. .75 - .97
Crane .....bbl. .75 - .90
Crockett .....bbl. .75 - .90
Ector .....bbl. .75 - .90
Glasscock .....bbl. .75 - .90
Hobbs, N. M.....bbl. .75 - .90
Hogback .....bbl. .65 - —
Howard .....bbl. 1.21 - —
Jackson, N. M.....bbl. .75 - .90
Lea, N. M.....bbl. .75 - .97
Maljamar, N. M.....bbl. .75 - .90
Mitchell .....bbl. .75 - .97
Pecos .....bbl. .89 - —
Upton .....bbl. .75 - .90
Winkler .....bbl. .75 - .90
ether, 30-60°, dms, c.l., G.3.gal. .80 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .17 - —
35-60°, dms., l.c.l., G.3...gal. .13 - —
40-75°, dms., c.l., G.3.....gal. .35 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .16 - —
laboratory grade, dms., c.l., G.3..gal. .13 - —
l.c.l., G.3.....gal. .16 - —
10-gal. lots, G.3.....gal. .25 - —
Lacquer, diluent, at refinery:—
California, 49-51, 225 l.b.p., 335 e.p., tanks..gal. .50 - —
58-62, 160 l.b.p., 270 e.p., tanks, delvd. Los Angeles..gal. .12 - —
San Francisco..gal. .11½- —

Petroleum, lacquer, diluent, at refinery, Calif., 58-62, f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
61-63, 149 i.b.p., 275 e.p., tanks..gal. .15 - —
East Coast, tanks.....gal. .12 - .12½
Group 3, tanks.....gal. .07½- .08½
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .07¾- .07½
tankwagon, Boston, ex-tax. gal. .13 - —
Chicago, inc. 3c. tax...gal. .155 - —
Decatur, inc. 3c. tax...gal. .179 - —
Des Moines, inc. 3c.tax.gal. .177 - —
Evansville, Ind.,ex tax.gal. .143 - .156
Milwaukee, inc. 4c. tax. gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax..gal. .183 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .11½- —
Omaha, ex tax.....gal. .149 - .150
Oklahoma City, ex tax.gal. .15 - .16
Philadelphia, ex tax...gal. .11½- —
St. Louis, ex tax.....gal. .146 - .156
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
Tulsa, ex tax.....gal. .15 - .16
High solvency, aromatic, 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. delivery beyond 100 mi., f.o.b. Paulsboro, frt. equaid nearest comp. pt.....gal. .17 - —
.16¼- —
30, same basis.....gal. .18¾- .19
40, same basis.....gal. .14½- .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equaled. nearest comp. pt..gal. .16 - —
2, same basis.....gal. .13 - —
3, same basis.....gal. .16 - —
4, same basis.....gal. .18 - —
V.m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, delvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07½- .07½
Pennsylvania, tanks...gal. .07½- —
tankwagon, Boston, ex tax. gal. .15 - —
Chicago, inc. 3c. tax..gal. .165 - —
Decatur, inc. 3c. tax..gal. .179 - —
Des Moines, inc.3c. tax.gal. .177 - —
Evansville, Ind.,ex tax.gal. .143 - .158
Milwaukee, inc. 4c.tax.gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax..gal. .183 - —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11½- —
Omaha, ex tax.....gal. .149 - .150
Philadelphia, ex tax...gal. .13 - —
St. Louis, ex tax.....gal. .146 - —
Solvent, rubber, at refinery:—
California, 60.2-63.5, 167 i.b.p., 230 e.p., tanks, inc. tax..gal. .14 - .14½
62.3, 104 i.b.p., 293 e.p., tanks, inc. tax..gal. .14 - .14½
East Coast, tanks.....gal. .09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .07¾- .07½
standard, 180 i.b.p., 288 e.p., tanks..gal. .07¾- .07½
Stoddard (CS 8-28), at refinery:—
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- .07
tankwagon, Boston, ex tax. gal. .13½- —
Chicago, inc. 3c. tax...gal. .15 - —
Decatur, inc. 3c. tax...gal. .169 - —
Des Moines, inc.3c.tax.gal. .167 - —
Evansville, Ind.,ex tax.gal. .136 - .140
Milwaukee, inc. 4c.tax.gal. .182 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .164 - —
Newark, ex tax.....gal. .10½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10½- —
Oklahoma City, ex tax.gal. .12 - .13
Omaha .....gal. .139 - .149
Philadelphia, ex tax...gal. .11½- —
St. Louis, ex tax.....gal. .125 - —
Tulsa, ex tax.....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low aniline, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash.....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .11½- —
Richmond .....gal. .11 - —
Southern Calif...gal. .10½- —
55-56, 200 i.b.p., 305 e.p., tanks, f.o.b. El Segundo. gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09 - .10
47-49, tanks.....gal. .09 - —
Group 3, tanks.....gal. .06¾- .06½
Pennsylvania, tanks....gal. .09¾- —
tankwagon, tax included:—
Albany .....gal. .11 - —
Baltimore .....gal. .12 - .13
Binghamton, N. Y.....gal. .14 - .16
Boston .....gal. .12 - .13
Bridgeport, Conn.....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .135
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .169 - —
Des Moines.....gal. .167 - —
Evansville, Ind.....gal. .136 - .146
Milwaukee .....gal. .182 - —
Minneapolis-St. Paul...gal. .173 - —
Newark .....gal. .10½- —
New York (200 gals.).gal. .10½- —
smaller lots.....gal. .11 - —
Omaha .....gal. .109 - .149
Philadelphia .....gal. .115 - .135
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12 - .13
Rochester .....gal. .12 - .16
St. Louis.....gal. .136 - —
Syracuse .....gal. .13 - .15
Trenton .....gal. .11½- .13½
Wilmington, Del.....gal. .15 - —
contracts, 1,000 gals..gal. .18 - —
Phenobarbital, bots.....lb. 4.50 - 4.55
Phenol, USP, dms, c.l., works, frt. equald..lb. .13¼- .14¼
l.c.l., same basis.....lb. .14 - .15
tins, c.l., same basis.....lb. .14¼- .15½
l.c.l., same basis.....lb. .15 - .16
tanks, works.....lb. .12¾- —
Phenolphthalein, USP, bbls.,dms. 2,000 lbs..lb. .75 - —
bbls., dms., kegs, 100-250 lbs. lb. .77 - —
yellow, bbls.....lb. .70 - —
Phenyl chloride, dms.....lb. .16 - —
Phenylacetadehyde, bots.....lb. 3.50 - 6.75
Phenylhydrazin hydrochloride,CP, bots., works..lb. 3.30 - 5.10
commercial, kgs., works...lb. 3.30 - 6.50
pure, bots., works.....lb. 2.95 - 3.25
Phloroglucinol, CP, tins,works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines... long ton. 2.35 - —
72% min., bulk, mines..... long ton. 2.85 - —
75% basis, 74% min., bulk, mines..long ton. 3.85 - —
Tenn., 72%, bulk, mines..... long ton. 4.50 - —
75%, bulk, mines...long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .28 - .37½
Oxychloride, cyls.....lb. .16 - .20
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .16 - .20
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.50 - 2.75
Nitrate, bots., vls.....oz. 2.40 - 2.65
Pimento, bgs.....lb. .15¾- .16¼
Pinkroot, bls.....lb. .35 - .36
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 20.00 -21.00
f.o.b. works.....ton. 15.00 - —
Linseed, dms.....lb. .04½- .05
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 5.00 - 5.25
Stearin, dms.....lb. .03 - .04½
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, cns.....lb. 3.00 - 3.25
Poke root, bls.....lb. .06½- .07
Pomegranate bark, bgs.....lb. .18 - .19
Root bark, bgs.....lb. .40 - .41
Poppy flowers, red, bls.....lb. .35 - .40
Seed, Dutch, bgs.....lb. .07½- .08
Polish, bgs.....lb. .07¼- .07¾
Potash acetate, USP, bbls.,kgs.lb. .26 - .28
50% sol., bbls.....lb. .08½- .09
Bicarbonate, USP, cryst., bls, lb. .09 - .13
gran., bbls.....lb. .10 - .12
Bichromate, spot, c.l., works.lb. .08¾- —
6 casks or 10 bbls. or over, works..lb. .08¾- —
5 casks or 9 bbls. or less, works..lb. .09 - —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l..lb. .05¾- —
liquid, dms., c.l. dlvd.....lb. .02¾- —
l.c.l., 10 dms. or over...lb. .03¼- —
less than 10 dms.....lb. .03½- —
tanks, dlvd.....lb. .02¾- —
USP, gran., bbls.....lb. .14 - —
powd., bbls.....lb. .19 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import., dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03¼- .03½
tanks .....lb. .02¾- —
solid, 88-92%, dom.. dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import. csks.....lb. .06¼- .06¾
Chlorate cryst., kgs.....lb. .09¼- .09½
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09¾
Chloride, tech., 98% cryst., bbls..lb. .04 - .04¼
Chromate, kgs.....lb. .28 - .29
Citrate, USP, gran., bbls., 250 lbs..lb. .35 - —
kgs., 100 lbs.....lb. .36 - —
cns., 50 lbs.....lb. .37 - —
cns., 25 lbs.....lb. .39 - .40
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75% sol., cns., 100 lbs..lb. 1.25 - 1.30
Guaiacolsulphonate, cns.....lb. 1.65 - 1.70
Hydroxide, USP, sticks, cns..lb. .36 - .37
Hypophosphite, cns.....lb. .72 - .77
Iodate, bbls.....lb. 3.20 - 3.25
Iodide, bbls., fib. dms.....lb. 1.10 - 1.15
Kainit, high-grade, 20% K_2O, bulk, c.l.f. ports..ton. 12.00 - —
Manure salt, dom., 20%, K_2O, bulk, c.l.f. ports..ton. 12.00 - —
run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton. .55 - —
import., 30% K_2O,bulk,shipt. unit-ton. .55 - —
Metabisulphite, kgs.....lb. .15 - —
Muriate, dom., all strengths, min. 50% K_2O, bulk..unit-ton. .50 - —
import., all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports..unit-ton. .50 - —
Potash muriate prices in bags are $2 ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Perchlorate, kgs., works.....lb. .09 - .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .16 - .17
Silicate alkaline, lump, bags.lb. .07 - —
Sulphate, NF, bbls.....lb. .13 - .14
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 36.25 - —
Vegetable, bulk, f.o.b.Balto.ton. 19.97 Nom.
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 24.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .35
Prickly ash bark, bls.....lb. .11½- .15
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .18 - .20
Propane, tanks, G.3.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .20
Pumice stone, Italian,Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works...lb. .04 - —
less than 3, works...lb. .04½- —
Ital.-grd., bgs., c.l., shipt., ex dock, N. Y..ton. 33.00 Nom.
l.c.l., 5-29 tons, ex whse. ton. 38.00 - —
1,000-10,000 lbs., ex whse..ton. 39.00 - —
2 bgs. to 1,000 lbs., ex whse..ton. 41.00 - —
single bgs.,ex whse.ton. 46.00 - —
Pumpkin seed, bgs.....lb. .11 - .14
Purple lake (see Red).
Putty com'l, dms.....100 lbs. 3.00 - —
linseed oil, raw, dms....100 lbs. 4.75 - —
refined, dms.....100 lbs. 5.25 - —
standard, dms.....100 lbs. 3.75 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.). frt. alld. E. of Rockies, standard brand .....gal. 4.15 - —
basis, 3.6% pyrethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand .....gal. 6.10 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), Japan, bgs., frt. alld., 15 tons or over. lb. .12¾- —
fine powd., Dalmat., bbls.lb. .14 - .16
Japan, bbls., ton lots, frt. alld..lb. .15¾- —
Pyridin, denaturing, dms.....gal. 1.30 - —
refd., 2° dms.....lb. .40 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins.lb. 4.60 - —

Q

Quassia, chips, bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03¾- —
tanks, works.....lb. .02¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .03¾- —
clarified, 64%, bgs.,c.l., same basis..lb. .04¾- —
Queen of the meadow herb, bgs..lb. .06 - .07
Root, bgs.....lb. .06 - .07
Quercitron extract, liquid, 51°, bbls..lb. .06 - .08
solid, dms.....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flask. 93.00 -95.00
Quince seed, bgs.....lb. .45 - 1.50
Quinidine, cryst., small, cns...oz. .96 - —
large, cns.....oz. .98 - —
pwd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .93 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydroiodide, cns.....oz. .98 - —
Hypophosphite, cns.....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P. X, cns.....oz. .53 - —
U.S.P. XI, cns.....oz. .59½- —
Sulphocarbolate, cns.....oz. .96 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride,cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .05½ Nom.
Dutch, bgs.....lb. .05¾- .06¼
Japanese, bgs.....lb. .05¾- .06¼
Raspberries, dried, bbls.....lb. .80 - .85
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport,Rock Island, St. Louis.....lb. 1.10 - —
Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N.C., S.C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1¼c. higher dlvd. Tex. (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.
Amaranth (see Red, maroon, lake).
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
light shade, bbls., ton lots, same basis..lb. .65 - —
smaller lots, same basis. lb. .70 - —
kgs., ton lots, same basis. lb. .70 - —
smaller lots, same basis. lb. .75 - —
light-medium shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis. lb. .75 - —
kgs., ton lots, same basis. lb. .75 - —
smaller lots, same basis. lb. .80 - —
maroon shade, bbls., ton lots, same basis..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
selenide, bbls., ton lots.works. 2.00 - —
smaller lots, works.....lb. 2.50 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works.....lb. 1.75 - —
Carmine 40, cns., 500 lbs....lb. 4.00 - —
100 lbs.....lb. 4.15 - —
11 lbs.....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin, kgs.....lb. .65 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07 - —

Pet. Lacquer, Dil—Rue

Red, iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.25 - —
open order .....lb. 1.30 - —
Lithol toner, bbls., same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.65 - —
Maroon lake, 25%, kgs., same basis alizarin lake,contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech.,dom.,bbls., lb. 1.49 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08½- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs., same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .04¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic Rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, 1, bbls., c.l., f.o.b. N.Y., Pa., ship. pt. or ex dock N. Orleans, Phila.lb. .03½ Nom.
f.o.b. St. Louis.....lb. .03¾ Nom.
l.c.l., f.o.b. Bethlehem, Easton, N.Y., N. Orleans, Phila.lb. .03¾ Nom.
St. Louis.....lb. .04 Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seatt..lb. .04½ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .04¼ Nom.
2, bbls., c.l., f.o.b. N. Y., Pa., ship. pt. or ex dock N. Orleans, Phila..lb. .02¾ Nom.
f.o.b. St. Louis.....lb. .03 Nom.
l.c.l., f.o.b. Bethlehem, Easton, N.Y., N. Orleans, Phila..lb. .03 Nom.
St. Louis.....lb. .03¼ Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seatt..lb. .03¾ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .03½ Nom.
3, bbls., c.l., f.o.b. N. Y., Pa., ship. pt. or ex dock N. Orleans, Phila..lb. .0265 Nom.
f.o.b. St. Louis.....lb. .0290 Nom.
l.c.l., f.o.b. Bethlehem, Easton, N. Orleans, N.Y., Phila..lb. .0290 Nom.
St. Louis.....lb. .0315 Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seatt..lb. .03¾ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .0340 Nom.
Teluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18¾- —
Venetian, bbls., works.....lb. .0190- —
10%, bbls., works.....lb. .0215- —
15%, bbls., works.....lb. .02¼- —
20%, bbls., works.....lb. .02¼- —
25%, bbls., works.....lb. .02¾- —
30%, bbls., works.....lb. .03 - —
35%, bbls., works.....lb. .0335- —
40%, bbls., works.....lb. .03¾- —
Vermilion, American, bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500-lbs..lb. 1.72 - —
smaller lots.....lb. 1.73 - 1.82
Red dyes are listed under Dyes.
Red precipitate, U.S.P. IX, bxs., fib. dms., kgs., 100 lbs..lb. 1.74 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., cns., works.lb. .75 - .80
USP, cryst., cns., kgs.,works.lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .08½- .10
Rhodinol, bots.....lb. 5.75 - 9.00
Rhubarb, root, bbls., cs., kgs..lb. .32 - .33
powd., bbls., kgs.....lb. .35 - .37
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't.....lb. .14½- —
smaller lots.....lb. .15 - —
powd., bbls., 5,000 lbs., 1 shipm't .....lb. .13½- —
smaller lots.....lb. .14 - —
Rose flowers, pale, bls.....lb. .23 - .25
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock.. 280 lbs.10.95 - —
E, bbls.....280 lbs.10.95 - —
D, bbls.....280 lbs.10.95 - —
F, bbls.....280 lbs.10.95 - —
G, bbls.....280 lbs.10.95 - —
H, bbls.....280 lbs.10.95 - —
I, bbls.....280 lbs.10.95 - —
K, bbls.....280 lbs.10.95 - —
M, bbls.....280 lbs.10.95 - —
N, bbls.....280 lbs.11.00 - —
W. G., bbls.....280 lbs.11.00 - —
W. W., bbls.....280 lbs.12.05 - —
X, bbls.....280 lbs.12.05 - —
Wood, F. F., bbls., spot.280 lbs.10.52 -11.55
works .....280 lbs. 9.80 - —
K, bbls., spot.....280 lbs.11.02 -12.06
works .....280 lbs.10.40 - —
M, bbls., spot.....280 lbs.11.22 -12.25
works .....280 lbs.10.60 - —
N, bbls., spot.....280 lbs.11.62 -12.65
works .....280 lbs.11.10 - —
Rottenstone, dom., bgs., c.l.,f.o.b. mines..ton. 85.00 - —
l.c.l., ex whse.....ton. 50.00 - —
import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08¼- .10
Rue, bls.....lb. .21 - .22

Sabadilla—Soda Fluoride

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, cns., 1,000 lbs.....lb. 1.70 - —
smaller lots.....lb. 1.75 - 1.90
Safflower, bls.....lb. .27 - .28
Saffron, Mexican, bls.....lb. .50 - .53
Spanish, tins .....lb.14.00 -15.00
Safrol, cns.....lb. .57 - —
dms. .....lb. .54 - —
Sage, Dalmatian, fancy, bgs..lb. .02¾- .03¾
stemless, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02¾- .03¾
Salicin, cns.....lb. 4.00 - 4.25
Saloi, kgs.....lb. .90 - .95
Salt, reclaimed, bgs., c.l.,
dlvd., N. Y..ton.13.04 - —
vacuum, common, fine, bgs., c.l.,
dlvd. N. Y...ton.14.08 -14.58
l.c.l., dlvd. N. Y.....ton.17.00 - —
Saltcake, grd., dom., bbls., works,
ton.19.00 -23.00
bulk, works.....ton.12.00 -16.00
import, bulk, c.i.f.....ton.12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, crude (see Potash nitrate).
dbl. refined, cryst., 10-20 tons,
bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots...100 lbs. 7.40 - 8.15
gran., bbls.,10-20 tons..100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots...100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots...100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.43.00 -45.00
Saponin, cns.....lb. 1.45 - 1.50
Sarsaparilla root, Honduras, bls.lb. .45 - .50
Mexican, bls.....lb. .15 - .16
Sassafras bark, ord., bls.....lb. .11 - .12
select, bls.....lb. .21 - .22
Savory, bls.....lb. .07½- .08
Saw palmetto berries, bgs.....lb. .30 - .33
Scammony root, bgs.....lb. .96 - .97
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs.,
1 shipm't.....lb. .11½- —
smaller lots.....lb. .12 - —
kegs, 5,000 lbs., 1 shipm't.lb. .12 - —
smaller lots.....lb. .12½- —
Senega root, bls.....lb. .36 - .38
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .11 - .12
2, bls.....lb. .07 - .08
3, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. .95 - 1.00
Shellac, bleached, bonedry, bbls.,
f.o.b. N. Y..lb. .19½- .21
dlvd. Boston.....lb. .20 - .22½
Chicago .....lb. .20½- .23
Pacific Coast.....lb. .22½- .23½
refd., bbls., f.o.b. N.Y.....lb. .24 - .25
dlvd. Boston.....lb. .24½- .25½
Chicago .....lb. .25 - .26
Pacific Coast.....lb. .27 - .27½
Garnet, bgs.....lb. .16 - .17
Orange, D.C., VSO., Diamond,
cases..lb. .25 - .26
superfine, bgs., f.o.b. Bost.,
N. Y..lb. .15 - .15½
dlvd, Chicago.....lb. .16 - .16½
Pacific Coast.....lb. .18 - .18½
T.N., bgs., f.o.b. Bost., N. Y.
lb. .14 - .14½
dlvd. Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17 - .17½
Shellac, varnish, orange, 5-lb.
cut, bbls..lb. .90 - 1.00
4½-lb. cut., bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls.....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut bbls.....gal. .95 - 1.05
Silica, amorph., dry-grd., 95-97%,
325 mesh, bgs.,c.l.,works.ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
95-97%, 400 mesh, bgs., c.l.,
works..ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
wet-grd., 95-97%, 325 mesh,
bgs., c.l., works, ton.21.00 - —
l.c.l., 2½ tons,works.ton.22.50 - —
smaller lots, works.ton.24.00 - —
96-98%, 325 mesh, bgs., c.l.,
works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.23.50 - —
smaller lots, works.ton.25.00 - —
99%, 325 mesh, bgs., c.l.,
works..ton.24.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs.,
c.l., works..ton.14.00 - —
l.c.l., works.....ton.17.00 - —
Silver, bullion.....oz. .45 - —
Govt. purchase.....oz. .7757- —
Silver nitrate, vls.....oz. .33 - .35
Nucleinate, cns., 500 ozs....oz. .35 - .36
Proteinate, cns., 500 ozs....oz. .34 - .35
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....oz. 4.00 -10.00
Skullcap, Eastern, bls.....lb. .23 - .25
Western, bls.....lb. .24 - .25
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .11 - .12
Smalt, black, extra velvet, bbls.
lb. .05 - .06
Blue, bbls.....lb. .06½- .07
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda abietate, dms.....lb. .08 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, 60%, dms.....lb. .04½- .05½
Alginate, dms.....lb. .04 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms.....lb. .09½- .11½
Arsenite, liq., dms.....lb. .40 - .75
Ash, dense, 58%, bgs., c.l.,
works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.03 - —
2 .....100 lbs. 2.18 - —
3 .....100 lbs. 2.43 - —
4 .....100 lbs. 2.83 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l., works....100 lbs. 1.10 - —
extra light, 58%, bgs., c.l.
100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l.....100 lbs. 1.60 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. 1.05 - —
light, 58%, bgs., c.l., works..
100 lbs. 1.23 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. 1.05 - —

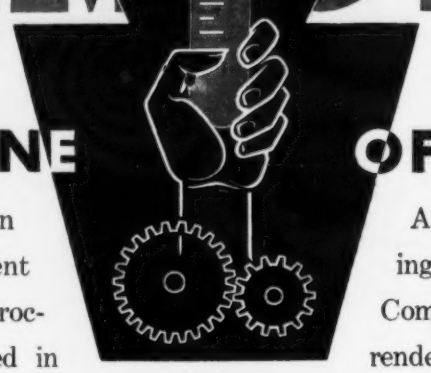
Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices; out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N.C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000
lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or
more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l.,
works..100 lbs. 2.15 - —
powd., bbls.,c.l.,works.100 lbs. 1.75 - —
l.c.l., dlvd. N.Y....100 lbs. 2.40 - —
kgs., c.l.....100 lbs. 2.00 - —
l.c.l., dlvd. N.Y...100 lbs. 2.65 - —
Bichromate, spot, c.l., works.
lb. .06¾- —
6 cks. or 10 bbls. or over,
works..lb. .06¾- —
5 cks. or 9 bbls. or less,
works..lb. .07 - —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l.,
works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l.,
works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l. works
100 lbs 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works
100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works
100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, bbls.....lb. .31 - .32
Cacodylate, jars.....lb. 6.50 - 6.75
Carbonate (see Soda ash, soda menohydrated soda, sal).
Caustic, flake, 76%, grd.,powd., ammon. process, bbls., c.l., works..100 lbs. 3.25 - —
dms., c.l., works.100 lbs. 3.60 - —
l.c.l., Zone 1...100 lbs. 3.45 - 4.80
2 .....100 lbs. 3.60 - 4.95
3 .....100 lbs. 3.85 - 5.20
4 .....100 lbs. 4.25 - 5.60
electro process, dms., c.l.
works..100 lbs. 2.95 - —
l.c.l., same zone prices as ammon. process.
liquid, 47-49%, buyer's tanks,
works..100 lbs. 2.23½- —
seller's tanks, works.....
100 lbs. 2.25 - —
70%, buyer's tanks, works,
100 lbs. 2.37½- —
seller's tanks, works.....
100 lbs. 2.39 - —
solid, 76%, ammon. process,
dms., c.l.,works..100 lbs. 2.60 -
l.c.l., Zone 1...100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 3.85 - —
electro process, dms., c.l.,
works..100 lbs. 2.55 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs.,
c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06½- .09
powd., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .07 - .09¼
Citrate, USP VIII, gran., bbls.,
225 lbs. .21 - —
cns., 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs.
lb. .27½- —
cns., 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28½- —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs., 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .15½- .17½
import., cs.....lb. .16¾- .17
Fluoride, white, 90%, bbls.,
c.l., f.o.b. Phila..lb. .07½- —
l.c.l., 10 or over, same
basis..lb. .07¾- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —

CHEMISTRY



THE KEYSTONE OF INDUSTRY

There is scarcely an industrial development or a manufacturing process that is not rooted in the achievements of chemistry. And it is fitting that a firm which has played such an important part in this field as has Pennsylvania Salt Manufacturing Company should have as its trademark the Keystone symbolizing the place of chemistry in modern business.

Among the outstanding developments of this Company is a process that renders electrolytic Caustic Soda doubly pure, resulting in a desirably low iron and salt content. We supply Caustic Soda in aqueous solution in 8,000 gallon tank cars as well as in solid, flake, or ground form in drums. The services of our technical staff are always available.

Following are a few of the Pennsylvania Salt Manufacturing Company products:—

Chloride of Lime (Bleaching Powder)
Kryolith (Natural Greenland Cryolite)
Chlorine
Sodium Orthosilicate
Carbon Tetrachloride and Carbon Bisulphide

EST. 1850 TRADE MARK

PENNSYLVANIA
SALT MANUFACTURING COMPANY

EXECUTIVE OFFICES, WIDENER BLDG., PHILADELPHIA, PA.

BRANCH SALES OFFICES: NEW YORK · CHICAGO · ST. LOUIS · PITTSBURGH · TACOMA · WYANDOTTE

Soda, fluoride, 95%, bbls., c.l., same basis..lb. .07½- —
l.c.l., 10 or over, same basis,.lb. .08 - —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .09- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, cryst., bbls., cns., 100 lbs..lb. 1.15 - —
solution, 75%, cns.....lb. .90 - —
50%, cns.....lb. .85 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 lbs..lb. .78 - .84
Hypophosphite, cns.....lb. .67 - .73
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls.....100 lbs. 2.50 - 2.60
gran., bbls.....100 lbs. 2.75 - 2.90
Iodate, jars.....lb. 5.62 - 5.67
Iodide, jars.....lb. 1.90 - 1.95
Metanilate, kgs.....lb. .41 - .43
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls.,c.l.,works.100 lbs. 2.15 - —
l.c.l. dlvd.....100 lbs. 2.75 - 3.15
Molysdate, tech., anhyd., kgs., lb. .75 - .80
cryst., kgs.....lb. .68 - .70
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.00 - —
Naphthenate, bbls.....lb. .90 - —
Naphthionate, bbls.....lb. .83 - .84
Nitrate, crude, 100-lb. bgs., Jan.-June dlvy., ports..ton.27.50 - —
200-lb. bgs., same basis, ton.26.80 - —
bulk, same basis.....ton.25.50 - —
rfd., gran., bbls, 10-25.100 lbs. 2.25 - —
5-9 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls.....lb. .06½ Nom.
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized...lb. .07 - —
West Coast, f.o.b. ports.lb. .08½- —
l.c.l. .....lb. .08½- .11½
Oxalate, neut., bbls., kgs....lb. .09 - .11
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works.....100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
Monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works..... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.80 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, contracts..lb. .10 - —
spot .....lb. .11½- —
Pyrophosphate, anhyd., bbls..lb. .10 - —
cryst., bbls.....lb. .09½- —
Sal, bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N.Y. .....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.... 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
42°, dms., c.l., works.100 lbs. 1.35 - —
l.c.l., 5 or more, works... 100 lbs. 1.00 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls.....lb. .06½- .07
import, bbls.....lb. .06½- .07
Stannate, dms.....lb. .34 - .37
Stearate, lump, bbls, works..lb. .20 Nom.
powd., bbls., works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tns, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 2.90 - —
flake, chips, broken, bbls., c.l. works..100 lbs. 3.50 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 4.00 - —
less than 5 tons, dlvd... 100 lbs. 4.25 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd... 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works. 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .29
Sulphocyanide, dms., cns....lb. .36 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. 1.30 - 1.40
tech., kgs.....lb. .85 - .90
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
Water-white, dms.,works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .32 - —
W. of Omaha, works..gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .35 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .22 - .28
Spikenard root, bls.....lb. .12 - .15
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01¾- —
tanks, works. .....lb. .01¾- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .14 - .18
White, bls.....lb. .07 - .09
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .21 - .23
St. John's bread, bls.....lb. .06 Nom.
Stareh, corn, pearl, bgs...100 lbs. 3.80 - 4.00
powd., bgs.....lb. 3.90 - 4.10
Iodide, bots.....lb. 1.87 - 1.93
Potato, dom., bgs.....lb. .04½- .05½
import., bgs.....lb. .05 - .06
Rice, bbls.....lb. .07¼ Nom.
Wheat, bgs.....lb. .08¼- .08¾
Stavesacre seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .12 - .12½
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .06½- .07
Storax, cs.....lb. .33 - .35
Stramonium leaves, bls.....lb. .11 - .13
Seed, bgs.....lb. .09 - .10
Strontium bromide, bbls.....lb. .50 - .51
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars.....lb. 2.80 - 2.85
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import, bbls.....lb. .08½- .09
Strophanthus seed, Kombe, bgs.lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05
Milk, bbls., c.l.....lb. .13 - —
l.c.l., 10 or over.....lb. .15 - —
less than 10.....lb. .16 - .17
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts..long ton.18.00 - —
c.l., spot, nearby..long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs.....100 lbs. 3.00 - 3.75
bbls. .....100 lbs. 3.35 - 4.10
ref., broken, bgs.....100 lbs. 2.15 - 2.90
bbls. .....100 lbs. 2.30 - 3.05
flour, com'l, bgs.....100 lbs. 1.60 - 2.35
bbls. .....100 lbs. 1.95 - 2.70
rfd., ext. fine, bbls.100 lbs. 3.20 - 3.95
heavy, bgs.....100 lbs. 2.55 - 3.30
bbls. .....100 lbs. 2.90 - 3.65
light, bgs.....100 lbs. 2.65 - 3.40
bbls. .....100 lbs. 3.00 - 3.75
roll, bgs.....100 lbs. 2.35 - 3.10
bbls. .....100 lbs. 2.50 - 3.25
Chloride, dms., works.....lb. .03½- .04
tanks, works.....lb. .03 - .04
Dioxide, liq., com'l, cyls., wks. lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .11 - .15
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.80 - 3.85
Sumac, Sicilian, grd., bgs.....ton.58.00 Nom.
Extract, 42°, bbls.....lb. .04½- .06½
51°, bbls.....lb. .06½- .08½
Stainless, bbls.....lb. .08¼- .09¼
Sumac, leaf, Sicilian, bls.....ton.62.00 Nom.
Sunflower seed, Calif., large, bgs. lb. .07 - .07½
medium, bgs.....lb. .06¼- .06¾
poultry, bgs.....lb. .05¾- .06¼
Hungarian medium, bgs..lb. .06¼- .06¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - Nom.
run-of-pile, basis 16%, bulk same basis..ton. 7.50 - Nom.
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94% 325 mesh, bgs., c.l., mills. ton.13.00 - —
l.c.l., mills.....ton.15.00 - —
96-98% 325 mesh, bgs., c.l., mills..ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
coarse, off color, bgs., c.l., mills..ton.10.00 - —
Ohio, alum-magn. type, grd. bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
import., Canad., bgs., c.l., dlvd. ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs.,l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, ar. rival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .09½- Nom.
extra, loose, works.....lb. .08¾ Nom.
special, loose, works.....lb. .08¼ Nom.
sulphonated 35% (24% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .06½- —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07 - —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
Tamarinds, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-15%, bulk....unit-ton. 4.25 & .10
ungr., 10-15%, bulk..... unit-ton. 4.25 & .10
fertilizer grade, 11-15%, bulk, Chicago..unit-ton. 4.00 & .10 Nom.
high-grade feeding, bulk, Chicago..unit-ton.4.50-4.75 & .10
import., S. Amer., bulk, c.i.f. ports, shipt..unit-ton. No prices
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03½- .05½
Tar, pine, retort, bbls.,dlvd.,ports gal. .26 - —
dms., c.l.,dlvd. E. cities.gal. .26 - —
dlvd. ports.....gal. .25 - —
tanks, dlvd. E. cities...gal. .20 - —
Tar acid oil, 15%, dms, c.l., works .....gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works.....gal. .24½- —
l.c.l., same basis.....gal. .27½- —
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .24¾- —
less than 5.....lb. .25 - —
powd., bbls., 5 or more..lb. .24¾- —
less than 5.....lb. .25 - —
USP, powd. bbls.....lb .30 - .30½
Terebene, cns. .....lb. .70 - .75
Terpenyl acetate, cns.....lb. .85 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Alpha, denat. grade, dms., c.l. lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms.lb. .25 - .28
tech., dms.....lb. .10 - .10½
Tetralin, dms.....lb. .12 - —
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.20 - —
Thyme, French, bls.....lb. .09½- .10
Thymol, bots., 100 lbs.....lb. 1.55 - —
smaller lots.....lb. 1.60 - 1.85
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26½- —
5 tons, same basis....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .38¼- .39
Metal, Straits.....lb. .51¾ Nom.
Oxide, bbls.....lb. .55 - .57
Tetrachloride, anhyd., bbls..lb. .26¾- —
Titanium, dioxide, bgs., c.l. (20 tons), E., frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals.lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¼- —
Pac. cst., ex whse....lb. .16¼- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons) E., frt. alld.....lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium base, bgs., 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
50-999 lbs., E. dlvd....lb. .06 - —
Pac. cst., ex whse..lb. .06 - —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., 1,000-lb. lots, E., frt. alld..lb. .06 - —
50-999 lbs., E. dlvd.....lb. .06¼- —
calcium base, bgs., 1,000-lb. lots, E. frt. alld..lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
50-999 lbs., E. dlvd....lb. .06 - —
Pac. cst., ex whse...lb. .06 - —
under 50 lbs., E. dlvd..lb. .06¾- —
bbls., 1,000-lb. lots, E. frt. alld..lb. .06 - —
50-999 lbs., E. dlvd....lb. .06¼- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsams, cns.....lb. .48 - .53
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works,..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks...lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms, l.c.l., works. lb. 1.25- —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld. E. of Rockies..lb. .094 - —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .38 - .40
dms., c.l., dlvd.....lb. .32 - —
500 lbs., dlvd.....lb. .35 - —
tech., 1, cns., dlvd.....lb. .26 - .37
dms., c.l., dlvd.....lb. .22½- —
500 lbs., dlvd.....lb. .23 - —
2, cns., dlvd.....lb. .24 - .35
dms., c.l., dlvd.....lb. .20½- —
500 lbs., dlvd.....lb. .21 - —
Triethanolamine, dms., works.lb. .26 - .30
Triethylene glycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - .36
Triphenylguanidin, dms.....lb. .58 - .60
Tripoli, air-floated, bgs., c.l., works..ton.27.50 - —
l.c.l., ex whse., N.Y....ton.40.00 - —
1 ton, works.....ton.30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs.,c.l.,works.ton.18.00 - —
l.c.l., 1 ton, works.....ton.22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
l.c.l., 1 ton, works.....ton.20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms. lb. 1.80 - 1.90
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs.....lb. 1.65 - 1.75
Turmeric root, Alleppy, bgs....lb. .06 - .06½
Madras, bgs.....lb. .06 - .06½
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .48½- —
l.c.l., 10, ex dock.....gal. .50½- —
5, ex dock.....gal. .52½- —
wood, dest.-dist., dms., c.l., dlvd. E. ports..gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd., E. cities..gal. .31 - —
steam-dist., dms., c.l., dlvd. gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, dlvd.....gal. .39 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root.)
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 20 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
10 to 19 tons, same basis. ton.100.00 - —
1 to 9 tons, same basis.. ton.110.00 - —
100 to 1,900 lbs., same basis..100 lbs. 6.00 - —
import, 46% N, bgs., 20 tons, f.o.b. Atl. ports, shipt. ton.95.00 - —
10 to 19 tons, same basis. ton.100.00 - —
1 to 9 tons, same basis. ton.110.00 - —
100 to 1,900 lbs., same basis..100 lbs. 6.00 - —
Urea-ammonia liquor, 55% ammon., tanks, f.o.b. Atl. ports. unit-ton. No prices
Uva ursi leaves, bls.....lb. .12 - .13

V

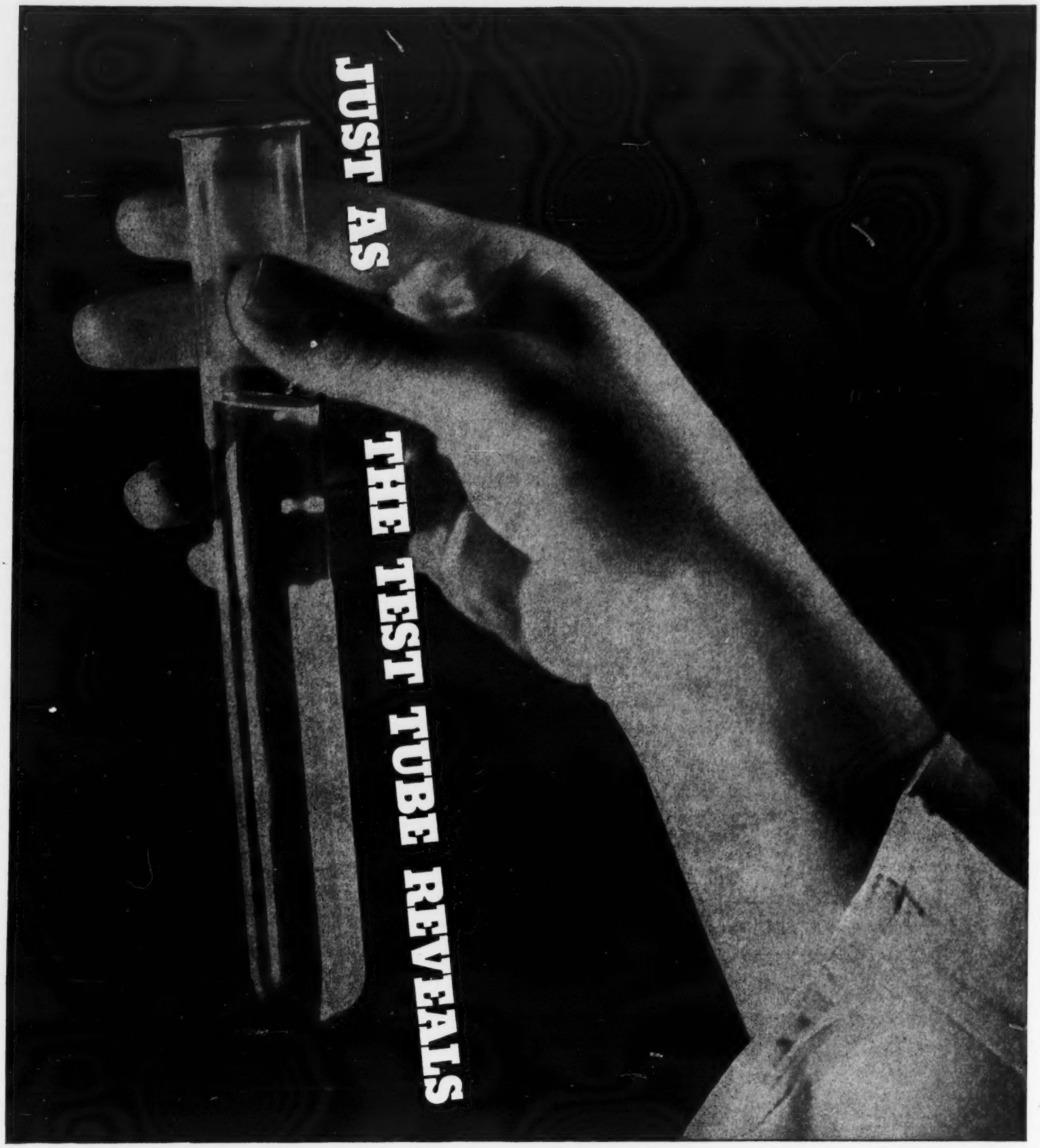
Valerian root, 67s.....lb. .11 - .12
Valonia, beards, bgs., shipt...ton.48.00 -50.00
Cups, bgs., shipt.....ton.36.00 Nom.

Soda Fluoride—Wild Cherry

Vanilla beans, Bourbon, tins..lb. 3.75 - 4.25
Mexican, tins .....lb. 4.00 - 4.50
cut, tins .....lb. 3.50 - 3.75
South American, tins.....lb. 3.50 - 3.75
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
5-lb. tins, 2,000 lbs. or more. lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lbs. or more. lb. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
1-oz. tins, 2,000 lbs. or more.. lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.30 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs...lb. .47 - .49
Verdigris, kgs.....lb. .24 Nom.
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .75 - .80
tree, bark, bls.....lb. .22 - .24
Wattle bark, bgs., shipt.....ton.31.00 -32.00
Extract, 60°, bbls.....lb. .03¾- —
Wax, bayberry, import, bgs...lb. .16½- .17
Bees, white, bleach., slabs., cs., 500 lbs..lb. .38 - .40
yellow, crude, Africa, bgs., lots of 10..lb. .26 - .26¼
1 bg.....lb. .30½- .37
Brazil, Chile, bgs., 5-10 tons..lb. .22 Nom.
1 ton.....lb. .25½ Nom.
500 lbs.....lb. .29 Nom.
100 lbs.....lb. .29½ Nom.
refd., slabs, cs., lbs.....lb. .29½- .32
Candelilla, bgs., 1 ton...lb. .15 - .15½
jobbing lots.....lb. .15½- .16
Carnauba, chalky 3, bgs., 1 ton. lb. .23½- .24
5 bags.....lb. .24 - .24½
1 bg.....lb. .24½- .25
N. C. 2 bgs.....lb. .37½- .38
N. C. 3 ogs., 1 ton.....lb. .23½- .24½
5 bgs.....lb. .24 - .25
1 bg.....lb. .24½- .25½
refined, bgs.....lb. .37½- .38½
yellow, 1 bg., 1 ton.....lb. .45 - .46
5, bgs.....lb. .45½- .46½
1, bgs.....lb. .46 - .47½
2, bgs.....lb. .44 - .45½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .06 - —
jobbing lots.....lb. .09 - —
150°-160° m.p., bgs.,1 ton.lb. .09 - —
jobbing lots.....lb. .10 - —
160° m.p., bgs., 1 ton.....lb. .10 - —
jobbing lots.....lb. .11 - —
Japan, cs.....lb. .09¾- .10½
Montan, bgs., c.l.....lb. .10¾- .11⅛
5 tons.....lb. .11 - .11⅛
less than 1 ton.....lb. .11¼- .11⅝
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .32 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs...lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bbls., bxs., lb. dms..lb. 1.70 - —
Whiting, chalk, com., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -12.50
l.c.l., works.....ton.12.20 -14.50
wet-grd., bgs., c.l., works. ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
l.c.l., works.....ton.18.50 -20.00
gilder's, bolted, bip. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.00 -15.50
l.c.l., works.....ton.15.00 -16.50
extra bolted, bip. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
extra bolted, bbls., c.l., works..ton.18.00 -22.50
l.c.l., works.....ton.19.00 -23.00
pap. bgs., c.l., works.ton.14.00 -17.50
l.c.l., works.....ton.15.00 -18.50
Paris white, bip. bgs., c.l., works..ton.15.00 - —
works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.60
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75% 200 mesh, bgs. (extra), c.l., frt. alld. to $2 per ton..ton.10.00 - —
99.75% 200 mesh, bgs.,c.l., same basis..ton. 9.00 - —
95-98% 200 mesh, c.l., same basis..ton. 7.50 - —
40-98% 200 mesh, c.l., same basis..ton. 6.50 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, pgs. (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works.. ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs.(extra),c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.26.00 - —
Wild cherry bark, thick, natural, bbls..lb. .04½- .06
rossed, bls.....lb. .05½- .07
thin, natural, bls.....lb. .06 - .06½
rossed, green, bls.....lb. .03½- .09



Like the test tube samples of the laboratory, Glyptal solutions are permanently clear — free from cloudiness. This means vehicles that are stable and uniform and particularly adaptable to the manufacture of your high-quality paints. Specify G-E Glyptal and enjoy the many benefits of these dependable and superior alkyd resin solutions.

For complete information and samples, write to Section M-221, Appliance and Merchandise Dept., General Electric Company, Bridgeport, Connecticut.

GENERAL ELECTRIC

GLYPTAL

APPLIANCE AND MERCHANDISE DEPARTMENT, GENERAL ELECTRIC COMPANY, BRIDGEPORT, CONNECTICUT

Wild indigo root, bgs.	lb.	.09 -	.10
Witch-hazel extract, dist., NF, bbls.	gal.	.55 -	.65
Leaves, bls.	lb.	.07 —	.08
Witherite (see Barium carbonate, natural).			
Woodflour, dom., fine, bgs., c.l., works	ton.	24.00	-30.00
standard, bgs., c.l., works	ton.	18.00	-24.00
Import. 40-70 mesh, bgs., ex dock	ton.	20.00	- —
80-100 mesh, bgs., ex dock	ton.	25.50	- —
120 mesh, bgs., ex dock	ton.	31.00	- —
Wormseed, American, bgs.	lb.	.11	- .12
Levant, bgs.	lb.	3.90	- 4.00
Wormwood, bls.	lb.	.09	- .10

X

Xylol (xylene), comi., dms., works	gal.	.35	- —
tanks, E. of Omaha, frt. alld.	gal.	.30	- —
W. of Omaha, works	gal.	.30	- —
tanks, E. of Omaha, frt. alld.	gal.	.41	- —
W. of Omaha, works	gal.	.41	- —
5°, dms., works	gal.	.41	- —
tanks, E. of Omaha, frt. alld.	gal.	.36	- —
W. of Omaha, works	gal.	.36	- —
10°, dms., works	gal.	.38	- —
tanks, E. of Omaha, frt. alld.	gal.	.33	- —
W. of maha. works	gal.	.33	- —
Xylidin, mixed, dms.	lb.	.35	- .36

Y

Yara yara, cryst., cns.	lb.	1.20	- 1.35
Yellow, cadmium, OP, import., bxs.	lb.	2.50	- —
Lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.40	- —
smaller lots, same basis.	lb.	.45	- —
kgs., same basis	lb.	.50	- —
Sulphide, orange, bbls., works.	lb.	.90	- .95
Yellow, bbls., works	lb.	.90	- 1.00
Chrome, CP, bbls., dlvd, N. of Tenn. and N.C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.13	- —
open order	lb.	.14	- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1¼c. higher dlvd. Tex. (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.

Dutch pink, bbls.	lb.	.08	- .10

Mercury oxide (see M).

Ocher, American, golden, A, bbls., works	lb.	.06½-	—
B, bbls., works	lb.	.04½-	—
C, bbls., works	lb.	.03½-	—
Yellow, A, bbls., works	lb.	.02¾-	—
B, bbls., works	lb.	.02¼-	—
C, bbls., works	lb.	.02 -	—
D, bbls., works	lb.	.0195-	—
E, bbls., works	lb.	.01775-	—
F, bbls., works	lb.	.01¼-	—
G, bbls., works	lb.	.01¾-	—
H, bbls., works	lb.	.01¼-	—
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import.	lb.	.0235-	—
New York (f.o.b.)	lb.	.02¼-	—
Philadelphia, for import	lb.	.02¼-	—
Portland, Seattle	lb.	.03 -	—
San Pedro, S. Francisco	lb.	.0290-	—
l.c.l., ex dock, Balto., Boston, N. Orleans	lb.	.0245-	—
New York	lb.	.02¾-	—
Philadelphia, for import	lb.	.02¾-	—
Portland, Seattle	lb.	.03½-	—
San Pedro, S. Francisco	lb.	.03 -	—
ex whse., Balto, Boston, N. Orleans	lb.	.0260-	—
Chicago, E. St. Louis, Indipolis., K. City, Milwauk., St. Louis,	lb.	.03½-	—
Minneapolis	lb.	.03¾-	—
New York	lb.	.02¾-	—
Pittsburgh	lb.	.03½-	—
Portland, Seattle	lb.	.03¾-	—
San Pedro, S. Francisco	lb.	.03¼-	—
f.o.b. N. Y. from dock,	lb.	.02½-	—
from whse.	lb.	.02¾-	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½-	—
l.c.l., same basis	lb.	.04¾-	—
synth., bbls., c.l., works	lb.	.06¾-	—
l.c.l., works	lb.	.07 -	.07½
Yellow, Persian orange (see O)			
Zinc, bbls., same basis chrome CP, contracts	lb.	.18 -	—
open order	lb.	.19 -	—
Yellow dock root, bls.	lb.	.10 -	.11
Yellow root (xanthoriza), bls.	lb.	.09 -	.10
Yerba santa leaves, bls.	lb.	.08 -	.09
Yohimbine hydrochloride, vls.	oz.	2.50 -	2.55

Z

Zinc, arsenite, bgs., cs., c.l., consumer, E. of Rockies	lb.	.10 -	—
dealers	lb.	.09½-	.14½
1,000 lbs. and over, consumer	lb.	.10½-	—
dealer	lb.	.10 -	.15
less than 1,000 lbs., consumer	lb.	.11 -	—
dealer	lb.	.10½-	.15½

Zinc arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck. allowance for plant or whse. pick-up.

Carbonate, tech., bbls.	lb.	.09 -	.10½
USP, precip., powd., bbls.	lb.	.21 -	.23
Chloride, fused, dms., c.l., works	100 lbs.	4.25 -	—
l.c.l., dms., works	100 lbs.	4.60 -	—
gran., dms, c.l., works	100 lbs.	5.00 -	—
l.c.l., dms, works	100 lbs.	5.75 -	—
solution, dms., works	lb.	.04½-	—
tanks, works	lb.	.02 -	—
Cyanide, kgs., works	lb.	.36 -	—
Dust, bbls., c.l., dlvd	lb.	.0735-	—
l.c.l., 10,000 lbs. or over, dlvd.	lb.	.0810-	—
less than 10,000 lbs., dlvd.	lb.	.0860-	—
Fluoride, bbls.	lb.	.20 -	.26
Iodide, bots., jars	lb.	4.00 -	4.65
Metal (see daily quotations in report).		Market	

Zinc, oxide, pigment, dom., Amer. process, comi., lead-free, bgs., c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd. except Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.06½-	—
bbls., c.l., dlvd.	lb.	.05½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¾-	—
ex-whse., Pac. cst.	lb.	.05¾-	—
leaded, 5%, 35%, bgs., c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¾-	—
ex whse., Pac. cst.	lb.	.05¾-	—
bbls., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¾-	—
ex-whse., Pac. cst.	lb.	.05¾-	—
50%, bgs., c.l., dlvd.	lb.	.05¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05½-	—
ex-whse., Pac. cst.	lb.	.05½-	—
bbls., c.l., dlvd.	lb.	.05½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¾-	—
ex-whse., Pac. cst.	lb.	.05¾-	—
French process, comi., lead-free, bgs., c.l., dlvd.	lb.	.05¼-	—
l.c.l., dlvd. except Pac. cst.	lb.	.05½-	—
ex whse., Pac. cst.	lb.	.05½-	—
bbls., c.l., dlvd.	lb.	.05½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¾-	—
ex-whse., Pac. cst.	lb.	.05¾-	—
green seal, bgs, c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.06½-	—
bbls, c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	—
ex-whse., Pac. cst.	lb.	.06¾-	—
red seal, bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd. except Pac. cst.	lb.	.06 -	—
ex whse., Pac. cst.	lb.	.06 -	—
bbls., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¼-	—
ex-whse., Pac. cst.	lb.	.06¼-	—
white seal, bgs., c.l., dlvd.	lb.	.06¾-	—
l.c.l., dlvd. except Pac. cst.	lb.	.07 -	—
ex whse., Pac. cst.	lb.	.07 -	—
bbls., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¼-	—
ex-whse., Pac. cst.	lb.	.07¼-	—
import., gold seal, cks., ex dock	lb.	.10¾-	11⅛
green seal, bbls., 1-15 tons, ex dock	lb.	.07½-	.09¾
ex whse.	lb.	.07¾-	.09¾
red seal, bbls., 1-15 tons, ex dock	lb.	.08¾-	—
ex whse.	lb.	.09 -	—
white seal, cks., lots of 5, ex dock	lb.	.09¾-	—
ex whse.	lb.	.10 -	—
smaller lots, ex dock	lb.	.10 -	—
ex whse.	lb.	.10¼-	—
Zinc, oxide, USP, bbls., c.l.	lb.	.08 -	—
l.c.l.	lb.	.08¼-	—
Palmitate, bbls.	lb.	.22 -	.23
Resinate, fused, pale, bbls.	lb.	.09 -	.10
precip., dms., dlvd.	lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20 -	—
l.c.l., 1 ton	lb.	.21 -	—
1,000-2,000 lbs.	lb.	.22 -	—
less than 1,000 lbs.	lb.	.23 -	—
USP, bbls.	lb.	.21 -	.23
Sulphate, cryst., bgs., c.l.	100 lbs.	2.65 -	—
l.c.l.	100 lbs.	3.40 -	—
bbls., c.l.	100 lbs.	2.80 -	—
l.c.l.	100 lbs.	3.55 -	—
flake, bgs., c.l.	100 lbs.	3.05 -	—
l.c.l.	100 lbs.	3.80 -	—
bbls., c.l.	100 lbs.	3.20 -	—
l.c.l.	100 lbs.	3.95 -	—
powd., bgs., c.l.	100 lbs.	4.35 -	—
l.c.l.	100 lbs.	5.10 -	—
bbls., c.l.	100 lbs.	4.50 -	—
l.c.l.	100 lbs.	5.25 -	—
Sulphide, bxs., c.l. (20 tons), dlvd.	lb.	.09 -	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09¼-	—
bbls., c.l. (20 tons), dlvd.	lb.	.09¼-	—
l.c.l., dlvd. E. or ex whse., Pac. cast.	lb.	.09½-	—
Sulphocarbolate, NF, bbls.	lb.	.34 -	.38
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	4.65 -	—
l.c.l., dms. works	100 lbs.	5.00 -	—
Zinc-iron oxide pigment, bgs.,c.l., dlvd.	lb.	.04 -	—
l.c.l., dlvd. except Pac. cst.	lb.	.04½-	—
ex whse., Pac. cst.	lb.	.04½-	—
Zirconium nitrate, kgs., works.	lb.	3.00 -	4.00
Oxide, crude, 73-75%, grd., bbls., works	ton.	75.00	-100.00
kgs., small lots, works.	lb.	.04¼-	.04½
white, 98%, grd., kgs., works.	lb.	1.40 -	1.52

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn resin, 55-gal. dms., non-returnable, works.	lb.	.16 -	—

B

Bakelite, BR, 254, dms., 30,000 lbs., works	lb.	.48 -	—
15,000 lbs., works	lb.	.49 -	—
5,000 lbs., works	lb.	.50 -	—
802, dms., 30,000 lbs., works.	lb.	.26 -	—
15,000 lbs., works	lb.	.26½-	—
5,000 lbs., works	lb.	.27 -	—
1329, dms., 30,000 lbs., works.	lb.	.32 -	—
15,000 lbs., works	lb.	.33 -	—
5,000 lbs., works	lb.	.34 -	—
2072, dms., 30,000 lbs., works.	lb.	.23 -	—
15,000 lbs., works	lb.	.23½-	—
5,000 lbs., works	lb.	.24 -	—
2963, dms., 30,000 lbs., works.	lb.	.24 -	—
15,000 lbs., works	lb.	.24½-	—
5,000 lbs., works	lb.	.25 -	—
Bakelite, BR, 3360, dms., 30,000 lbs., works	lb.	.42 -	—
15,000 lbs., works	lb.	.43 -	—
5,000 lbs., works	lb.	.44 -	—
4036, dms., 30,000 lbs., works.	lb.	.40 -	—
15,000 lbs., works	lb.	.41 -	—
5,000 lbs., works	lb.	.42 -	—
6882, dms., 30,000 lbs., works.	lb.	.44 -	—
15,000 lbs., works	lb.	.45 -	—
5,000 lbs., works	lb.	.46 -	—
XJ, 2681, dms., 30,000 lbs., works	lb.	.21½-	—
15,000 lbs., works	lb.	.22 -	—
5,000 lbs., works	lb.	.22½-	—
XR, 2175, dms., 30,000 lbs., works	lb.	.23 -	—
15,000 lbs., dms., works	lb.	.23½-	—
5,000 lbs., dms., works	lb.	.24 -	—
2987, dms., 30,000 lbs., works.	lb.	.32 -	—
15,000 lbs., works	lb.	.33 -	—
5,000 lbs., works	lb.	.34 -	—
3180, dms., 30,000 lbs., works.	lb.	.59 -	—
15,000 lbs., works	lb.	.60 -	—
5,000 lbs., works	lb.	.61 -	—
Bronze gum, 1, dms., works	lb.	.11 -	—
3, dms., works	lb.	.09 -	—

C

Cumar, AX, dms., works	lb.	.05¾-	—
BX, dms., works	lb.	.05¾-	—
CX, dms., gross weight, works,	lb.	.04¼-	—
DX, dms., gross weight, works.	lb.	.03½-	—
EX, dms., gross weight, works.	lb.	.03½-	—
FX, dms., gross weight, works.	lb.	.04 -	—
MH, col. ½, dms., works	lb.	.11 -	—
1, dms., works	lb.	.10 -	—
1½-2, dms., works	lb.	.09 -	—
2½ and darker, dms., works.	lb.	.08 -	—
MS, dms., works	lb.	.09 -	—
P, 10°-90° C., col. 3 and darker, dms., works	lb.	.09½-	—
RH, dms., works	lb.	.09 -	—
RS, dms., works	lb.	.09 -	—
special soft, dms., works	lb.	.09 -	—
V, col. ½, dms., works	lb.	.11 -	—
1, dms., works	lb.	.10 -	—
1½-2, dms., works	lb.	.09 -	—
2½ and darker, dms., works.	lb.	.08 -	—
W, col. ½, dms., works	lb.	.12 -	—
1, dms., works	lb.	.11 -	—
1½-2, dms., works	lb.	.10 -	—
2½ and darker, dms., works.	lb.	.09 -	—

Cumar prices include frt. equald. with Pittsburgh; prices on contracts terminating June, 1937, are ¼c. per pound lower.

D

Durez, 210, dms., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.15½-	.16½
500, pale, dms., c.l., works	lb.	.35 -	—
l.c.l., works	lb.	.36 -	.38
525, dark, dms., c.l., works	lb.	.25 -	—
l.c.l., works	lb.	.26 -	.28
550, very pale, dms., c.l., works.	lb.	.45 -	—
l.c.l., works	lb.	.46 -	.48

Durez prices, ex whse. Pac. cst., are 2c higher.

Durite,1,301 dms.,1 ton,frt.alld.	lb.	.30 -	—
smaller lots, frt. alld.	lb.	.35 -	—

F

Flat gum, 1, dms., works	lb.	.14½-	—

G

Gual-a-phene, 10-gal. cns., works	gal.	2.57 -	—
5-gal. cns., works	gal.	2.62 -	—
1-gal. cns., works	gal.	2.82 -	—
dms., works	gal.	2.50 -	—

H

Hercolyn, dms. (nonreturnable), works	lb.	.22 -	—

J

Jozite (see Zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black, or red label, bgs., c.l., dlvd.	lb.	.05¼-	—
l.c.l., dlvd. E. of Rockies.	lb.	.05½-	—
Pac. cst., ex whse.	lb.	.05½-	—
bbls., c.l., dlvd.	lb.	.05½-	—
l.c.l., dlvd. E. of Rockies.	lb.	.05¾-	—
Pac. cst., ex whse.	lb.	.05¾-	—

L

Locto, 545, bbls. works.	lb.	.43 -	.45
2102, bbls., works	lb.	.28 -	.30

N

Nevillac, dms., works	lb.	.15 -	—

Nevillac prices include frt. equald. with Phila.; prices on contracts terminating June, 1937, are ¼c. per pound lower; Los Angeles and San Francisco ex-whse., 3c. per lb., extra.

Neville resin, R-1 nevindene, col. ½ dms., works	lb.	.12 -	—
R-3, nevindene, col. 1, dms., works	lb.	.11 -	—
R-5, nevindene, col., 1½-2, dms., works	lb.	.10 -	—
R-6, nevindene, col. 2½-3½, dms., works	lb.	.09 -	—
R-7, N.P.S., col. below 3, dms., works	lb.	.11 -	—
R-8, N.P.S., col. below 3, dms., works	lb.	.11½-	—
R-9, hard, col. ½, dms., works	lb.	.11 -	—
R-10, hard, col. 1, dms., works	lb.	.10 -	—
R-11, hard, col. 1½-2, dms., works	lb.	.09 -	—
R-12, hard, col. 2½ and darker, dms., works	lb.	.08 -	—
R-13, medium, col. ½, dms., works	lb.	.11 -	—
R-14, medium, col. 1, dms., works	lb.	.10 -	—
R-15, medium, col. 1½-2, dms., works	lb.	.09 -	—
R-16, medium, col. 2½ and darker, dms., works	lb.	.08 -	—
R-17, medium soft, col. 3½-8, dms., works	lb.	.09 -	—
R-19, medium soft, col. 3½-8, dms., works	lb.	.09 -	—
R-21, soft, col. 3½-8, dms., works	lb.	.09 -	—
R-22, special, soft, col. 3½-8, dms., works	lb.	.09 -	—
R-27, medium soft, col. 1, dms., works	lb.	.11½-	—
R-28, medium soft, col. 1½-2, dms., works	lb.	.10½-	—
R-29, medium soft, col. 2½ and darker, dms., works	lb.	.09½-	—
R-41, phenester, col. 3½-5, dms., works	lb.	.16 -	—

Neville resin prices are on same basis as those for Nevillac.

Wild Indigo—Varcum

Nuodex drier, liquid, cobalt, 4%, dms., dlvd.	lb.	.20¾-	—
6%, dms., dlvd.	lb.	.24½-	.26½
lead, 16%, dms., dlvd.	lb.	.12 -	.14
24%, dms., dlvd.	lb.	.18 -	.19
manganese, 4%, dms., dlvd.	lb.	.12 -	.13
6%, dms., dlvd.	lb.	.14 -	.15
zinc, 8%, dms., dlvd.	lb.	.17 -	.18
solid, cobalt, 12%, dms., dlvd.	lb.	.46 -	—
lead, 40%, dms., dlvd.	lb.	.28 -	—
manganese, 11%, dms., dlvd.	lb.	.25 -	—
zinc, 12%, dms., dlvd.	lb.	.26 -	—

P

Pliolite, milled, dms., 1 ton, works	lb.	.75 -	—
smaller lots, works	lb.	.79 -	—
unmilled, dms., 1 ton, works.	lb.	.66 -	—
smaller lots, works	lb.	.69 -	—

S

Soligen drier, liquid, cobalt 6%, dms., 10, works	lb.	.23½-	—
less than 10, works	lb.	.25½-	—
lead, 16%, dms., 10, works.	lb.	.12 -	—
less than 10, works.	lb.	.14 -	—
25%, dms., 10, works	lb.	.19 -	—
less than 10, works.	lb.	.21 -	—
manganese, 6%, dms., 10, works.	lb.	.14 -	—
less than 10, works.	lb.	.16 -	—
zinc, 7%, dms., 10, works.	lb.	.18 -	—
less than 10, works.	lb.	.20 -	—
solid, cobalt, dms., 10, works.	lb.	.45 -	—
less than 10, works.	lb.	.47 -	—
Soligen drier, solid, lead, dms., 10, works.	lb.	.24 -	—
less than 10, works	lb.	.26 -	—
lead-cobalt, dms., 10, works.	lb.	.29 -	—
less than 10, works.	lb.	.31 -	—
lead-cobalt-manganese, dms., 10, works.	lb.	.30 -	—
less than 10, works.	lb.	.32 -	—
lead-manganese, dms., 10, works.	lb.	.24 -	—
less than 10, works.	lb.	.26 -	—
manganese, dms., 10, works.	lb.	.24 -	—
less than 10, works.	lb.	.26 -	—
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs.	ton.	35.00	- —

V

Varcum, 250, dms., 25, works.	lb.	.42 -	—
less than 25, works	lb.	.43 -	.44
250 F, dms., 25, works	lb.	.44 -	—
less than 25, works	lb.	.45 -	.46
365, dms., 25, works	lb.	.25 -	—
less than 25, works	lb.	.26 -	.27
700, dms., 25, works	lb.	.30 -	—
less than 25, works	lb.	.31	.32

Holiday Mementoes Received

Mementoes of the holiday season have been received by the OIL, PAINT AND DRUG REPORTER from the following:—

American Colortype Company, New York.—Poster calendar—three months at a time—picturing colorfully a muchachita and a chihuahua.

Beck, Koller & Co., Detroit.—Current issue of "By Gum," the company's publication, dressed in appropriate colors and carrying numerous interesting articles for the industry.

Consolidated Products Company, New York.—Calendar memorandum pad for insertion in desk stand previously furnished.

Dodge & Olcott Company, New York.—Large wall calendar with an airplane view of the company's plant at Bayonne, N. J., done in orange and blue.

Hercules Powder Company, Wilmington, Del.—Christmas number of "Hercules Mixer," largely composed of interesting texts and pictures by "Our Little Herculites."

A. F. Islan Company, New York.—Desk blotter with the first six months of 1937 on a celluloid cover.

Liberty Cork Company, Jersey City, N. J.—Christmas and New Year's greetings printed in red and green on a thin slip made of cork.

Prior Chemical Corporation, New York.—Large hanging calendar, with the current month, and the months immediately preceding and following.

R. B. H. Lacquer Base Company, Bound Brook, N. J.—Small calendar, mounted in metal frame, for tacking on wall or desk; wrapped in appropriate circular extending holiday greetings and wishes for health, wealth and happiness.

United States Potash Company, New York.—Small engraved handy card, conveying the season's greeting, and with all of the months of the year on the one side for ready reference.

Bass Returns to Mellon Institute

Dr. Lawrence Wade Bass has returned to the Mellon Institute of Industrial Research as assistant director, effective January 1, after an absence of six years. He was a member of the executive staff of the institute from 1929 to 1931, when he resigned to enter the employ of the Borden Company, this city, where he was director of research. Dr. Bass, who previously distinguished himself by his researches in organic chemistry and biochemistry, has been devoting special attention to industrial research management and chemical economies. He is a native of Illinois. He is a member of numerous scientific associations and clubs, including the American Association for the Advancement of Science, American Chemical Society, American Institute of Chemical Engineers, American Institute of Chemists, and Society of the Chemical Industry.

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 12 Gold Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1937, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 131 January 4, 1937 No. 1

A Demand Not Supplied

In spite of their obvious potentiality of being variously interpreted, none of the newer additions to the statutory laws of this country could have as many meanings as are given by business to the so-called "law of supply and demand." There may have been a time when that ancient rule of action had a definite significance. That was long ago before supply could be directly controlled or indirectly balanced by substitutions and demand was a creature of man's most persistent endeavors.

Some of the ideas of the law's early days persist, to unbalance its influence in one direction or the other, or both—paradoxical as that may be. Today none can say, when the "law of supply and demand" is cited, whether demand is being seized upon as an excuse to boost prices, or supply is being curtailed because of inability to find the latent demand or even to meet an obvious one on mutually satisfactory terms.

The various interpretations of this overworked excuse lead chiefly to a peculiar conception of the meaning of the term, "need". Everybody seemingly has a different idea of what is meant by the need for anything. In most cases the accepted meaning is that which can be taken care of by familiar and not too difficult means. The needs of the consuming public are for what there is to sell. The need for a given article is measured by how much can be handled under existing conditions.

A few days ago, in a report on conditions in the bituminous coal industry, it was said that the major source of the industry's difficulty was that it could produce on short notice more coal "than is needed." Never has there been produced more coal than was needed. More has been mined than could be sold at a profit; but at the same time debris was being picked up along byways, packing boxes were being lugged through city streets, by those who needed fuel—needed coal. The only excess of coal was beyond what the industry needed to load the inadequately serviced market.

This same erroneous conception of the meaning of the term, "need," is common to all divisions of industry. The real need is for a means of supplying what thousands need and lack. This is the demand for which industry has yet to find a supply.

Yesterday and Tomorrow

At the turn of the year, business has a particular need for the ability of Janus to look in two directions. To meet tomorrow with confidence and moreso with competence, it must see yesterday clearly, because the guides to what is to be lie in the records of what has been.

Never before was it more necessary than it is as this new year dawns, for business to know and to heed the significance of trends in the year that closes. The problems of business improvement increased with the progress that was made during the past twelvemonth. They are more serious now than they were a year ago, because the task of continuing the improvement has been placed more largely in the hands of business, and the measure of progress henceforward will be what is attained and not the rate of increase in any particular respect.

Business, by means of considerable self-exertion and more than a little external assistance, has again got on its feet. Whither its steps are directed will depend on the extent to which it has regained the proper use of its head, a condition which goes back beyond the days of its intoxication with bigness. It was pleasing to anticipate greater and greater stature in the thought that, as it is with men, a good big business is better than a good little one. Unfortunately not all big things are good. Fortunately bigness is not a prerequisite of goodness.

So, yesterday is much better than the day before yesterday as a guide for tomorrow. A number of leaders in the chemical, oil, and drug industries tell of yesterday, looking to tomorrow, on another page. What they say makes a good guide book.

—O-P-D—

Business—Sell Thyself

The business of business is to make and to deliver goods for the more or less direct use of the public. It is not strange that in its devotion to this purpose business has not been greatly regardful of the manner in which it functions. This lack of regard has applied with respect to its own point of view (business has ardently chased volume with almost no thought of profit), as well as with respect to the viewpoint of the public (the necessity of recouping losses has militated against the giving of fair value).

The consumer has begun to direct his efforts to the getting of better value for his money. The strongest incentive in the expansion of consumer co-operatives is the quality, and not merely the price, of the goods that are bought. The consumer is dissatisfied with what his dollar procures. He expects, in spending the same dollar, to get not more things but better things. To sell itself, business must, as it can, show that it is giving a full dollar's worth.

The consumer has got a little knowledge of why things are not as he believes they should be. He is clamoring for more. It will be the part of obvious wisdom for business itself to initiate and carry on an earnest campaign for his enlightenment. If this is not done, the affairs of business will be probed in the coming months as never before. Investigations now in progress in certain lines are providing justification for a belief that, unless business does the job itself, these will be but the forerunner of a searching for facts that will spread far and go deep.

Business must sell itself to the general public, and in doing this it must give full regard to "truth in advertising" and "deliveries like sample."

If this job of selling is left to public probers, it will be an auction—the "auctioneer" more zealous than competent—and the "Going! Going! Gone!" will have all the finality of a death knell.

—O-P-D—

Ideas Need Modernizing

With all its opportunity for further expansion during 1937, business will be faced with a constantly increasing necessity of getting rid of ideas that cannot be fitted into its building plans if progress is to be orderly and permanent. Too many business ideas do not fit today's world; they have not been mechanized beyond the waterwheel and treadmill stage.

One idea that calls most loudly for modernization is that with respect to the economic role of the machine. The unsolved problem of the mechanical age is to fit the machine into its proper niche with relation to all that it does to the consumption of goods, as well as to their production and distribution. So far the only approach to a satisfactory fit is in connection with the application of the machine to the mere operations of production and distribution. There the matter stops and stands.

Of course the machine is not a consumer in the full and essential sense of the term. That is why the mechanical age has a tendency to be lopsided, that cannot be coped with by ideas of ancient line. There can be no economic balance, even though a machine can make goods at a fraction of the cost of production by hand, if the machine reduces to a fraction also the number of men formerly employed for the same work. It may sound well to say that the men displaced find work in making more machines; but, in practice, this idea peters out rapidly, because there is none of the widely worshipped "labor saving" in mere labor shifting.

—O-P-D—

It's Cheaper To Hire Them

The man put out of a productive job is also put out of a consuming job. In simple arithmetic the effect on the economic state is that of one-minus-one. That man must go outside the productive division of business to find a job as a consumer. The productive division must support him there—and at greater cost to itself, because the division in which he finds a job must make a profit from his service. That, strange as it may seem, is why with the reduction of costs of production the costs of distribution have increased.

A recent survey of shifts in the occupations of insured workers in Great Britain shows that between 1923 and 1936 the proportion of those engaged in the productive fields of manufacturing, mining, and quarrying decreased 14 percent; while the proportion of those in distribution and transportation increased more than 24 percent, and that of those in miscellaneous services increased more than 42 percent.

These figures must be regarded as significant in any expectations with respect to the decreasing of unemployment. Manufacturing is now employing what is, in keeping with the machine-forced trend of several decades, its share. It must realize that it can employ a larger proportion at less cost to itself in the long run than it would incur by forcing those unemployed to go into other lines of private enterprise, some of which are wholly parasitic.

CITRATES

CITRIC ACID

TARTARIC ACID

CREAM TARTAR

ROCHELLE SALT

SEIDLITZ MIXTURE

POTASSIUM IODIDE

PHENOLPHTHALEIN

CALCIUM GLUCONATE

CORROSIVE SUBLIMATE

BISMUTH SUBNITRATE

BISMUTH SUBCARBONATE

IRON and AMMONIUM CITRATE

PFIZER QUALITY

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE, NEW YORK

444 W. GRAND AVE., CHICAGO, ILL.

ESTABLISHED 1849

SUPPLIERS OF
Chemicals FOR 70 YEARS
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
500 FIFTH AVENUE, NEW YORK
38 EXCHANGE PL., PROVIDENCE
40TH ST. & CALUMET AVE., CHICAGO

SODIUM SILICO FLOURIDE
AMMONIUM SILICO FLUORIDE
AMMONIUM ACID FLUORIDE
SODIUM ACID FLUORIDE
STANDARD, DOMESTIC MATERIAL. INQUIRIES SOLICITED FOR SPOT, FUTURE AND CONTRACT
HENRY SUNDHEIMER, INC.
Telephones: AShland 4-4817-4818 103 PARK AVE., NEW YORK, N. Y.

SULPHUR
Stauffer
. . . . constantly dependable for half a century
BORIC ACID : CARBON TETRACHLORIDE BORAX TITANIUM TETRACHLORIDE CAUSTIC SODA SULPHUR CHLORIDE SULPHUR SILICON TETRACHLORIDE CREAM OF TARTAR SULPHURIC ACID CARBON BISULPHIDE : TARTARIC ACID
STAUFFER CHEMICAL COMPANY
624 California St., San Francisco, Cal. • 2710 Graybar Bldg., New York, N. Y. • Freeport Texas
Carbide and Carbon Bldg., Chicago, Ill. • Rives-Strong Bldg., Los Angeles, Cal.
Stauffer

MANGANESE Sulphate
ZINC Sulphate
COPPER Sulphate
TENNESSEE CORPORATION TC TENNESSEE CORPORATION
ATLANTA, GA.- LOCKLAND, O.-IN FLORIDA, U. S. PHOSPHORIC PRODUCTS CORP., TAMPA

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

Heavy Chemicals

Further Advance in Copper—Magnesia Chloride Higher for 1937 —White Arsenic Lower—Soda Metasilicate Firm—Irregular Call for Sulphuric Acid—Fair Demand for Alkalies

The year came to a close in the market for industrial chemicals with prospects more favorable than at the end of the six preceding years. Expansion in all lines of industrial activity, coupled with an effort on the part of sellers of chemicals to conform with the Robinson-Patman legislation, has fostered a most stable price structure. Labor unsettlement in some trades supplies the disturbing element. Changes reaching the market last week included an advance in tin salts, magnesia chloride, copper and a reduction in white arsenic.

Demand last week reflected the usual preparations being made at this time of the year for inventory taking. The holiday intervention was also a factor in slowing demand. Interest mainly was concerned with writing 1937 business, the volume of which already under contract was said to exceed the amount on the books at the end of any previous six years. Alkalies were firm. Tin salts were higher, the outstanding development in the tin market was the ratification of the tin control scheme by Siam. Magnesia chloride advance marks the first revision in that schedule for a year. Sulphuric acid continued firm. Readjustment of the price schedule for white arsenic is applicable to the shipments for the first half of 1937. Soda metasilicate was firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copper, electrolytic, ⅝c. per lb.
Magnesia chloride, $3 per ton.
Tin crystals, ½c. per lb.
tetrachloride, anhydrous, ¼c. per lb.

Reduced

Arsenic, white, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.7	**153.7**	**153.5**	**153.3**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.5	**99.5**	**99.4**	**99.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Alums. — The market for iron-free and commercial sulphate continued to note a fair demand during the week just ended. Prices remained firm. October exports amounted to 5,516,688 pounds, valued at $51,768, of which Canada consumed 4,697,250 pounds; Mexico, 2,335 pounds; Cuba, 11,250 pounds; Colombia, 200,960 pounds; Ecuador, 480 pounds; China, 179,200 pounds, and Philippine Islands, 425,000 pounds.

Ammonia, Anhydrous.—Although demand was quiet here during the week, sellers reported prices were firm. October exports amounted to 160,700 pounds. valued at $22,577, of which Canada consumed 3,633 pounds; Mexico, 50,104 pounds; Jamaica, 1,019 pounds; Netherland West Indies, 5,416 pounds; Argentina, 2,250 pounds; Chile, 6,360 pounds; Colombia, 7,542 pounds; Ecuador, 3,000 pounds; British Malaya, 9,000 pounds; China, 7,250 pounds; Philippine Islands, 7,300 pounds, and Union of South Africa, 7,956 pounds.

Ammonia, Aqua.—Sellers were busily engaged in booking business for 1937. Prices were holding firm at the levels established recently.

Ammonia Nitrate. — Demand was quiet throughout the week. Prices held unchanged. October imports amounted to 994,852 pounds, valued at $10,748, of which Belgium shipped 918,465 pounds, and Norway, 76,387 pounds.

Ammoniac Sal. — Sellers were occupied with the business of writing contracts for 1937. October imports totaled 903,724 pounds, valued at $21,244, of which Belgium shipped 77,161 pounds; Germany, 619,717 pounds; Poland and Danzig, 22,046 pounds; United Kingdom, 5,600 pounds, and Canada, 179,200 pounds.

Antimony. — Spot price for domestic antimony was 13¾c. per pound. Sellers reporting demand continued along irregular lines, consumers apparently were giving consideration to year-end inventories.

Antimony Oxide.—Quiet prevailed in this direction again last week, sellers reporting prices continued steady to firm.

Arsenic.—Prices for the first half of 1937 are on the basis of 3c. per pound for car lots and 3¾c. per pound for less than car lot quantities, representing a slight reduction from 1936 prices. October imports amounted to 1,534,207 pounds, valued at $27,105, of which Belgium shipped 78,219 pounds; Germany, 2,205 pounds; Sweden, 1,070,269 pounds; Canada, 85,819 pounds; Mexico, 50,175 pounds; and Japan, 247,520 pounds.

Barium Salts.—Demand for hydrate material continued fair, sellers were quoting on the basis of 4¾c to 5½c. per pound, according to quantity. The market for barium chloride noted a fair demand, prices holding firm. There was little to report in carbonate or nitrate, quotations holding unchanged. October imports of barium compounds amounted to 106,062 pounds, valued at $4,748, of which Germany shipped 105,510 pounds; and Netherlands, 552 pounds.

Blue Vitriol.—A firm tone continued in evidence here during the week, sellers reporting demand dull. October exports amounted to 1,729,158 pounds, valued at $53,728, of which Canada consumed 224,725 pounds; Honduras, 350,000 pounds; Argentina, 1,037,960 pounds; Bolivia, 40,206 pounds; Equador, 2,450 pounds; Colombia, 1,300 pounds; and Philippine Islands, 55,815 pounds.

Calcium Chloride.—Demand continued good in this direction, sellers reporting prices were decidedly firm. October exports amounted to 8,976,431 pounds, valued at $86,341, of which Sweden consumed 8,360,806 pounds; United Kingdom, 67,594 pounds; Canada, 197,212 pounds; Panama, 79,423 pounds; Mexico, 100,400 pounds; Cuba, 113,025 pounds; Venezuela, 3,000 pounds; Saudi Arabia, 2,400 pounds; and Union of South Africa, 28,000 pounds.

Chlorine.—A firm tone prevailed in this market. Prices for liquid chlorine in cylinders are f.o.b. destination.

1937 Liquid Chlorine Prices

	Cents per pound (In cylinders) Carload.	Less carload.
Alabama	6½	9
Arizona	9½	13½
Arkansas	7½	8½
California	9	12
Colorado—E. of Rockies	..	11
West of Rockies	..	12
Connecticut	5½	7½
Delaware	5½	7½
Dist. of Columbia	5½	7½
Florida	7	10
Georgia	6½	9
Idaho	10	13
Illinois	6	7½
Indiana	5½	7½
Iowa	6½	7½
Kansas	7	8½
Kentucky	6	7½
Louisiana	7½	9
Maine	5½	7½
Maryland	5½	7½
Massachusetts	5½	7½
Michigan—South. Peninsula	5½	7½
Northern Peninsula	6½	8
Minnesota	7½	10
Mississippi	7	9½
Missouri	6	7½
Montana	10	13
Nebraska	8	9
Nevada	10	13
New Hampshire	5½	7½
New Jersey	5½	7½
New Mexico	9	12
New York	5½	7½
North Carolina	6	8
North Dakota	8½	11
Ohio	5½	7
Oklahoma	8	9
Oregon	10	13
Pennsylvania	5½	7½
Rhode Island	5½	7½
South Carolina	6	8
South Dakota	9	11½
Tennessee	6½	9
Texas	9	10½
Utah	10	13
Vermont	5½	7½
Virginia	5½	7½
Washington	9	12
West Virginia	5½	7½
Wisconsin	6½	8
Wyoming	10	12

Cobalt Oxide.—Prices ruled firm. Demand was quiet. October imports amounted to 65,645 pounds, valued at $74,993, of which Belgium shipped 42,000 pounds; France, 2,240 pounds; and Germany, 21,405 pounds.

Copper.—The market for electrolytic copper was raised ⅜c. per pound to 12c.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

per pound, the highest price level on record for some few years.

Copperas.—A firm tone ruled in this direction throughout the period under review. Demand was fairly active. Steel mill operations were estimated at 77 percent of capacity, the same ratio as prevailed in the preceding period.

Fluorspar.—A firm tone continued in prominence here, firmness reflecting the limited amount of stocks on hand. The small supply could be attributed to heavy withdrawals by the steel industry over recent months.

Magnesia Chloride.—Prices for 1937 have been advanced $3 per ton at $39 to $42 per ton, according to quantity.

Magnesia Silicofluoride.—A good demand continued for this material, the buying reflecting the activity in the building trade. Prices were unchanged.

Nickel Salt.—Sellers here were primarily interested in writing 1937 business, the prices for which have been extended. The plating industry continued to withdraw substantial quantities.

Phosphorus.—The output of phosphorus in Japan during 1935 was estimated at 1,375 metric tons, as compared with 469 tons in 1932. Exports of red phosphorus from Japan in 1934 totaled 156 tons; in 1935, 178 tons; and for nine months of 1936, 77 tons. White phosphorus exports have been shown separately since January 1, 1935. The total for 1935 was 267 tons and for 9 months of 1936, 152 tons, according to an assistant trade commissioner at Tokyo. Production of white and red phosphorus in Japan in 1935 was estimated at 1,375 tons; 1,250 tons in 1934; 1,315 tons in 1933; 469 tons in 1932; 472 tons in 1931; 426 tons in 1930; 493 tons in 1929; and 466 tons in 1928.

Potash Carbonate. — Business continued fairly active throughout the week. Quotations were held firm. A favorable volume of business has been written for delivery over 1937.

Potash Caustic. — A fair amount of business was transacted in this market, but it was evident consumers were giving consideration to year-end inventories. Prices held unchanged.

Potash Permanganate. — This market continued to experience an irregular demand. Prices held steady to firm.

Saltcake. — A dull demand was reported for this material last week. Prices held unchanged. The labor strike of flat glass workers has not been settled as yet, but important developments, the nature of which was not disclosed, were expected before the termination of another week.

Soda Ash. — A fair amount of business was transacted in this market, producers having made substantial progress in writing business for 1937. A firm tone governed the dealings. October exports amounted to 6,820,369 pounds, valued at $88,013, of which Mexico consumed 2,129,175 pounds; Cuba, 442,394 pounds; Argentina, 918,500 pounds; Brazil, 201,960 pounds; Peru, 180,300 pounds; Venzuela, 123,700 pounds; British India, 208,617 pounds; Netherland India, 243,000 pounds; Japan, 448,000 pounds, and Union of South Africa, 120,984 pounds.

Soda Caustic. — A good demand was reported early in the week, but the holiday intervention, coupled with consideration for year-end inventories, caused the market to close the week in a rather drab condition, from a demand standpoint. October exports amounted to 12,972,823 pounds, valued at $248,120, of which Union of South Africa consumed 24,300 pounds; Belgium, 11,209 pounds; Canada, 492,141 pounds; Mexico, 2,586,785 pounds; Netherland West Indies, 1,392,948 pounds; Argentina, 1,456,000 pounds; China, 1,008,025 pounds; Netherland India, 1,307,581 pounds; Japan, 1,200,640 pounds; Philippine Islands, 1,153,988 pounds, and Australia, 182,875 pounds.

Soda Cyanide. — The plating industry continued to withdraw representative quantities for this period of the year, and prices ruled firm. October exports amounted to 120,913 pounds, valued at $21,638, of which Canada consumed 4,100 pounds; Mexico, 38,105 pounds; Bolivia, 22,520 pounds, and Union of South Africa, 55,000 pounds.

Soda Metasilicate. — Prices for 1937 were: Crystals, car lots, $2.75 per 100 pounds; granular, car lot, works, $2.15 per 100 pounds; less car lots, delivered New York, $2.75 to $3.15 per 100 pounds.

Soda Silicate. — This market offered little change from recent weeks, sellers reporting prices were firm. October imports amounted to 1,486,841 pounds, valued at $24,261, of which Canada consumed 836,640 pounds; Honduras, 24,615 pounds; Cuba, 55,904 pounds; Dominican Republic, 38,782 pounds; Argentina, 19,997 pounds; China, 10,981 pounds; Netherland India, 130,425 pounds, and Philippine Islands, 340,061 pounds.

Soda Silicofluoride. — A good demand continued from the ceramic industry, sellers reporting the statistical position of the market was favorable to the presence of a firm tone.

Tin Salts. — A slight advance was shown in the price of tin crystals as a result of a rise in price for Straits tin. The outstanding development of the week was the ratification of the new tin control agreement by the Siamese Government.

Acids

Business in the market for acids entering consumption in the industrial activities moved through a rather quiet week, for consumers in all quarters of the market reported operations were interrupted by the New Year holiday, and demand was also slackened by consideration for year-end inventories. Sulphuric acid was firm. The steel mill operating ratio was unchanged from the preceding period. Chromic acid demand was fairly good, and a firm tone governed the dealings. There was little to report in lactic acid, sellers being interested mainly in booking 1937 business. Formic acid continued firm. Oxalic acid buying consisted of conservative quantities, prices were well maintained. There was little to report in battery acid, a good volume of business, however, has been booked for delivery over 1937.

Acetic.—Demand continued good during the week just closed. October exports amounted to 139,033 pounds, valued at $10,216, of which Belgium received 27,900 pounds; United Kingdom, 55,800 pounds; Canada, 51,915 pounds; Philippine Islands, 1,075 pounds; Hong Kong, 100 pounds; Chile, 210 pounds; Cuba, 658 pounds; Newfoundland and Labrador, British Honduras, 216 pounds; Panama, 150 pounds; Salvador, 200 pounds; China, 86 pounds; and Venezuela, 85 pounds. October imports material over 65 percent amounted to 2,721,860 pounds, coming from Canada.

Battery.—A good demand continued in evidence for this material, prices were holding firm. Sellers continued their drive for 1937 contracts.

Boric.—Nothing new was uncovered in this direction, manufacturing consumers were ordering out for nearby requirements only. Prices held firm.

Chromic.—This market presented little change from recent weeks, with the main interest of sellers being centered on writing 1937 business, and prices were firm at the levels established for 1937.

Formic.—A fair demand was reported for this material at times during the week. Usual buyers supplied the call. Prices were unchanged. A good volume of business has been booked for 1937 delivery.

Lactic.—This market continued to note a good demand during the period under review. Sellers reported prices were firm at the levels established for 1937, and a good volume of business has been written for forward delivery.

Muriatic.—This market continued to experience an irregular demand during the week just ended. Prices ruled firm. October imports amounted to 145,947 pounds, valued at $2,765, of which Honduras received 6,294 pounds; Nicaragua, 1,660 pounds; Mexico, 1,045 pounds; Jamaica, 5,445 pounds; Cuba, 63,872 pounds; Netherland West Indies, 50,060 pounds; Bolivia, 7,392 pounds; Chile, 1,570 pounds; Colombia, 1,738 pounds; Peru, 2,360 pounds; and Philippine Islands, 360 pounds.

Nitric.—Demand continued irregular during the week just closed. Sellers reported prices were firm.

Oxalic.—A good interest was shown in this market at times during the period under survey, sellers reported the presence of a firm price tone. October imports consisted of 13,859 pounds from Germany.

Sulphuric.—This market experienced little change, with the possible exception that demand was a pace slower. A firm tone governed the dealings. Steel mill operations were at 77 percent of capacity, the level at which operations were in the preceding period.

BALTIMORE, Dec. 29, 1936.—While no quotable marking up of the quotations on sulphuric acid has taken place during the last week, the talk about the prospect of rising prices has gained in assurance, and there is a feeling in the trade now that values will seek a higher level because of the advancing cost of acid making materials, and as well on account of the

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

It's
CERTAIN
Each of us has his scale of values. To one user, the uniform purity of Diamond Alkalies may be the stellar virtue; to another, their consistent full strength; to a third, their dependability of supply. Diamond Alkalies are all things to all users,— products of the highest quality, always reliable and correct to the last detail.
Diamond Products
58% Soda Ash
Bicarbonate of Soda
76% Caustic Soda
Carbon Tetrachloride
Diamond Soda Crystals
Modified Soda
Special Alkalies
Liquid Chlorine
DIAMOND
ALKALI
UNIFORM QUALITY
DIAMOND ALKALI COMPANY
PITTSBURGH, PA. and Everywhere . . .

added expense of production involved in the operation of the social securities act and other regulatory provisions to be enforced by the federal and State governments. Nominally, the figures mentioned for acid are still at $13 per ton for 60 degree and at $16 per ton for 66 degree acid, but contracts are concluded closer to the nominal level than before, and the feeling is gaining strength that the nominal figures may become the established bases. The requirements of the fertilizer trade in the way of acid are for the present small, to be sure; but greater activity will develop after the turn of the year, and then the force of the developments of the past month will make itself felt in a more impressive manner. Oleum is in about the same situation as acid, with the figures named still around $17 per ton for 20 percent supplies.

Insecticides

The market for agricultural insecticides and fungicides was quiet. Prices were firm. Sellers were interested mainly in writing business for the 1937 season. Grasshopper activity for 1937 is less predictable than for any other season since the U. S. Department of Agriculture started making its annual surveys of this pest. Delayed and erratic egg laying—the result of the abnormal weather of 1936—and lack of time for thorough scouting for eggs in the ground last fall—because Winter closed in so soon—have made it difficult to forecast the numbers of hoppers likely to hatch next year, according to the Bureau of Entomology and Plant Quarantine. Present indications, however, point to serious outbreaks in Illinois, Missouri, Iowa, Nebraska, Kansas, North Dakota, Montana, Wyoming, and Colorado, and to less serious infestations in Michigan, Wisconsin, South Dakota, and Oklahoma. The 1937 outbreak, it is estimated, will call for 81,252 tons of poison bait to be scattered over infested fields in the following States:—Arizona, 212 tons; Arkansas, 356 tons; California, 281 tons; Colorado, 3,191 tons; Idaho, 61 tons; Illinois, 8,398 tons; Iowa, 16,086 tons; Kansas, 4,700 tons; Minnesota, 520 tons; Michigan, 1,216 tons; Missouri, 3,863 tons; Montana, 7,758 tons; Nebraska, 11,183 tons; Nevada, 50 tons; New Mexico, 50 tons; North Dakota, 13,812 tons; Oregon, 50 tons; Oklahoma, 1,301 tons; South Dakota, 3,837 tons; Utah, 413 tons; Wisconsin, 1,641 tons; Wyoming, 2,273 tons. Only 26,997 tons of poison bait was used in 1936. Although this bait saved thousands of acres of crops, grasshoppers caused a loss of about $80,000,000. The bait was not available early enough or in quantities sufficient for adequate control.

Bordeaux Mixture.—Demand continued quiet. Prices ruled firm at the levels established for 1937.

Calcium Arsenate.—This market moved through a rather dull week, but progress continued to be made on booking business for 1937. The largest single foreign market for American calcium arsenate has been Peru. Of the 1,722 metric tons imported into Peru during 1935, the United States furnished 1,707. Substantial quantities of Japanese arsenate have been sold in Peru during 1936 by a Japanese agency in Lima. It is expected that Japanese calcium arsenate will be an important factor in the 1937 trade, according to the consul general at Lima.

Lead Arsenate.—Demand was dull, reflecting the seasonal influences. Prices remained firm.

Chemical Payrolls in November Made Gain

(Continued from page 3)

Payroll Totals

(100=1923-25 average)

	Nov. 1936.	Oct. 1936.	Nov. 1935.
Chemicals	127.3	124.7	106.0
Cottonseed oil, cake and meal	82.5	84.5	84.3
Druggists' preparations	112.7	112.6	100.8
Explosives	98.3	96.2	76.5
Fertilizers	63.1	69.7	59.3
Paints and varnishes	116.3	119.6	106.6
Petroleum refining	119.4	115.9	105.1
Rayon and allied products	294.3	307.6	277.8
Soap	100.6	105.3	96.4

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	Nov. 1936.	Oct. 1936.	Nov. 1936.	Oct. 1936.
Metalliferous mining.	62.8	64.5	54.7	54.1
Quarrying and non-metallic mining	52.6	54.6	43.7	46.1
Crude Petroleum producing	73.8	73.8	59.9	59.7
Dyeing and cleaning.	81.1	86.7	60.0	66.9

Employment in New York

Employment in factories producing chemicals and related products in New York State showed a gain of 0.3 percent from October 15 to November 15, and a decrease of 0.3 in the city, according to the records of the State Department of Labor.

General factory employment increased 0.2 percent in the State during the monthly period, and decreased 0.3 percent in the city. General factory payrolls decreased 0.2 percent in the State and 0.6 percent in the city. The department's general factory index numbers November 15, 1936 (100=1923-25 average), were:—Employment, 84.7 (10.2 percent above the 1935 level); payroll totals, 75.1 (16.7 percent above the 1935 level).

Changes in employment in the various divisions of the chemical group of industries were reported as follows:—

(November compared with October)

	Percentages—State.	City.
Drugs and industrial chemicals.	—0.5	+1.5
Oil products	+1.7	—2.5
Paints and colors	—0.2	+0.4
Photographic and miscellaneous chemicals	+0.3	+1.2

Mirror Makers Get Trade Practice Rules

WASHINGTON, Dec. 31, 1936.

Trade practice rules for the mirror manufacturing industry were promulgated today by the Federal Trade Commission under its trade practice conference procedure.

Application for approval of trade practice rules for this industry was made by the Mirror Manufacturers Association, Chicago, the membership of which is said to represent more than 50 percent of production in the industry.

According to the 1931 census of manufactures, the latest period for which this information is available, the total production of mirrors in that year was reported to be $13,870,523. It is estimated that approximately 400 mirror manufacturers are engaged in the industry, with about 5,000 persons employed.

The proposed rules for the industry, with certain modifications, were previously released for a fifteen-day period upon public notice, whereby opportunity was afforded to all interested or affected parties to present to the commission suggestions or objections to the proposed rules. Thereafter, some further modifications were adopted, and, upon full consideration, the rules, as amended, were approved by the commission as to group I. The rule shown under group II was received by the commission as an expression of the industry. It commends compliance with government standard CS 27-36.

In making the rules public, the commission made the following statement:—

These rules promulgated by the commission are designed to foster and promote fair competitive conditions in the interest of industry and the public. They are not to be used, directly or indirectly, as part of or in connection with any combination or agreement to fix prices, or for the suppression of competition, or otherwise to unreasonably restrain trade.

Nitrogen Output of World Reaches New High Record

Increase of 14.9 Percent Noted In 1935-36—Consumption Also Larger

The nitrogen output of the world for the fiscal year ended June, 1936, increased 14.9 percent over the preceding year, totaling 2,378,000 metric tons of pure nitrogen for a new high record, according to the annual report of the British Sulphate of Ammonia Federation, Ltd. Estimated consumption of 2,400,000 metric tons of nitrogen was also a new high record, having increased 15.9 percent over the preceding year. The consumption of nitrogen in agriculture totaled 2,068,000 metric tons, or 14.1 percent, greater than in the 1934-1935 fiscal year. The report stated that synthetic nitrogen plants operated at an average of 48 percent of capacity, compared with 43 percent in the preceding year, estimating the world production capacity for synthetic nitrogen, including cyanamide, at 3,700,000 tons of nitrogen.

The report also indicates that sulphate of ammonia retained preponderance among the world's nitrogenous fertilizers, accounting for approximately 48 percent of all of the fertilizer nitrogen produced and consumed during the 1935-1936 year. Other nitrogen fertilizer materials, in order of their importance in production and use, were as follows:—Cyanamide, 12 to 13 percent; Chilean nitrate, 9 to 10 percent; lime ammonia nitrate and calcium nitrate, 7 to 8 percent each, and other synthetic nitrogenous fertilizers, 13 to 15 percent. The world's production of sulphate of ammonia, in terms of pure nitrogen, in 1935-1936 was 995,000 metric tons, of which 630,000 tons was synthetic. Chilean nitrate production was estimated at 192,000 metric tons of nitrogen and the production of cyanamide was 270,000 tons. Both of these exceeded previous high records, as did sulphate of ammonia.

In comment upon the international agreements among the nitrogen producers, the report states that they "continue to operate satisfactorily and, in particular, enable the rapid adjustments necessitated by the fluctuations of demand and by the ever-increasing complexities of exchange control, quotas and tariffs to be smoothly and equitably effected."

Estimated world production and consumption of pure nitrogen for the 1935-1936 fiscal year and a comparison with the preceding year follow:—

World Production

	Metric tons—Fiscal year. 1935-'36.	1934-'35.
Sulphate of ammonia, by-product	365,000	321,000
synthetic	630,000	533,000
Cyanamide	270,000	232,000
Nitrate of lime	156,000	153,000
*Nitrogen, synthetic	720,000	607,000
by-product	45,000	45,000
Chile nitrate	192,000	179,000

World Consumption

Manufactured nitrogen	2,182,000	1,876,000
Chile nitrate	218,000	195,000
Total consumption	2,400,000	2,071,000
Agricultural consumption, about	2,068,000	1,812,000

* Other forms of nitrogen, including nitrogen products used for industrial purposes (except Chile nitrate) and ammonia used in mixed fertilizers.

NOTE.—Fertilizers are included in these tables under the final form as sold, so that, for example, cyanamide if converted into sulphate of ammonia is included under synthetic sulphate of ammonia, or, if into ammophos, is included under other synthetic nitrogen.

Chemical Exposition Date Set for Next December

The sixteenth Exposition of Chemical Industry will be held in the Grand Central Palace, this city, December 6 to 11, and plans are being drawn for exhibition space.

The advisory committee has approved the setting up of an award for a competition to obtain a slogan for the chemical industries, and details of the contest will be announced as soon as completed.

The management believes the exhibition this year will be the largest and most successful, basing this on the growth in registration since 1931 of more than 70 percent.

Aluminum Production: 1935

Production of primary aluminum in the United States during the year 1935 totaled 119,295,000 pounds, according to a report by the United States Bureau of Mines. This compared with a production of 74,177,000 pounds in 1934 and 85,125,000 pounds in 1933.

For Lower Weight and Higher Strength

In Hackney cylinders—light weight provides ease of handling and economical transportation. Strength assures long, safe, trouble-free service.

The Hackney cold-drawing, heat-treating method of manufacture combines strength with light weight.

Wall thickness is not only uniform, but of the correct dimension. The metal is free from laminations and is smooth and free from scale.

These and other advantages have won wide acceptance for Hackney cylinders — barrels, drums and special shapes as well.

Hackney MILWAUKEE **PRESSED STEEL TANK COMPANY**

208 S. La Salle St. Bldg., Room 1143, Chicago — 1819 Vanderbilt Concourse Bldg., New York — 662 Roosevelt Bldg. Los Angeles — 6615 Greenfield Ave., Milwaukee

Containers for Gases, Liquids and Solids

Business Leaders Review 1936 Forecast 1937 Trade Trends

(Continued from page 5)

C. G. Dixon, *Vice-President, William S. Gray & Co.:—*

The volume of our business this year is the best of any year since 1929, and from present indications 1937 will be as good or possibly better than this year.

The wood distillation industry, with which we have been associated for so many years, seems to have found its relative position in the highly competitive field now largely controlled by synthetic competitors. The use for our chemical products is expanding and from now on we believe our relatively limited production will find a ready market.

Operating profits in that line appear to be much narrower and are not very satisfactory from a producer's point of view, but the present low prices may be compensated to some extent by greater consumption.

A. D. Armstrong, *Secretary, Fritzsche Brothers, Inc.:—*

Our business has been very satisfactory throughout 1936, a condition which we believe has been quite generally shared by our industry as a whole. Sales have shown a gratifying increase over the preceding year, not only in dollars but also in tonnage. Foreign exchange and disturbed political conditions in some source-of-supply countries have at times presented minor difficulties, resulting in higher costs for, and scarcity in, some of the important items.

There is evident a spirit of optimism among buyers and a willingness to cover requirements in raw material well ahead and urgent demand for deliveries early in the new year promises satisfactory conditions in 1937. We look for higher prices in general, greater demand, continued scarcity of some raw materials, and a year of prosperity both for the supply houses and their customers.

George A. Martin, *President, Sherwin-Williams Company:—*

The paint industry is, to my way of thinking, in a favorable position to enjoy an all-time record "high" in 1937. Some of us hit a "high" in 1936, even topping 1929. The industry as a whole will show for 1936 close to 15 percent improvement over 1935; about 35 percent improvement over 1934; 70 percent improvement over 1933; 79 percent improvement over 1932; 30 percent improvement over 1931, and a slight gain over 1930. While the industry will still be about 15 percent below the 1929 figures, I feel that paint's record is a most excellent one and that the comeback has been nothing short of remarkable.

As to the future, I am a "bull" and look for a long period of prosperity. There are many of us in this business —some 1,500 manufacturers of all sizes, shapes, and characters, and yet there is plenty of room for all. Judging our market possibilities by the number of neglected homes, industrial, railroad, and steamship properties that need painting inside and outside, we can all have plenty of business if we go after it intelligently and constructively.

Owing to the evolution that is taking place in manufacturing and merchandising, and whether we are or are not in accord, it is fair to reason that with such a country as we live in and the people who populate it, we shall all fit ourselves to the conditions and come out on top.

We in our industry, as well as those of all others, are confronted with about as tough a problem as has ever presented itself to manufacturers, in our efforts to conform to the recently enacted Robinson-Patman law. With great respect to the many opinions expressed by the legal fraternity on the constitutionality and legality of the bill, I am of the firm belief that the antidiscrimination provisions of this law are fair and just, and that every manufacturer should enter whole-heartedly into the spirit as well as the letter of the law.

Our institution has taken full steps to comply to the limit of its ability, and I am confident that the fellow who takes an attitude of disrespect or disregard for this law, or tries to find ways or means of chiseling around it will only hurt himself, and jeopardize his business and that of his customers, who are equally liable with him if his proposition is in violation of the law.

G. A. McLaughlin, *President, McLaughlin Gormley King Company:—*

The past year has been a most eventful one in lines in which we are interested. The price of pyrethrum in 1936 reached the lowest point in its entire history. This was due to two succeeding crops of pyrethrum which were almost double the average crop. In addition, depression conditions seem to have affected the pyrethrum insecticide field later than some other industries. Consequently, 1936 was a year in which most people dealing in pyrethrum had to exert all of their ability and ingenuity to the fullest extent to prevent themselves from taking substantial losses. We are very happy that comments from other firms in this industry indicate that such efforts were fruitful and figures on the whole remain on the black side. The prospect for 1937 is much better than it was a year ago.

Since prices are still very low, the consumption of pyrethrum has shown a constant increase. With the pick-up and improvement in general conditions, we anticipate that pyrethrum insecticide will be an unusually good buy and that 1937 will be one of the industry's best years.

The Pyrethrum Association was formed in 1936 and has already given the industry greater stability. In time, the pyrethrum industry may show considerable improvement because of the formation of this association.

The Robinson-Patman law has had an effect in all branches of business. The full effect of the law has probably not been felt in pyrethrum or its substitutes. Like many other lines this industry awaits the clarification of many disputed points about the Robinson-Patman bill before putting into full effect the regulations which it embraces.

It is a strange coincidence that while general commodity prices have been rising in the last several months, pyrethrum and many other products handled by firms interested in pyrethrum have been declining. Many of the same firms are interested in spices. A very large percentatge of the spice business consists of black pepper, which also reached its all-time record low price in 1936. It is estimated that more than a year's needs of black pepper is in transit to or in storage in the United States.

Many of the same firms handling pyrethrum and pepper are likewise interested in vanilla, which reached a very low point in price about two years ago and which during the latter part of 1936 strengthened in price very rapidly. When France revalued the franc, everyone assumed that the price of products in which France was interested would decline. Vanilla did just the opposite and rose sharply at almost exactly that time.

From present bookings of most people interested in these commodities, it is apparent that a much different situation will exist in 1937 than in 1936. It is even possible that in some items a seller's market may develop, largely because of the seasonable nature of some of the materials which these firms handle. This condition may be aggravated by a sharp improvement in consumption if general conditions continue to improve at their present rate.

Dr. W. E. Weiss, *Chairman of Board, Sterling Products (Incorporated):—*

The future theme of business and a campaign upon which we must concentrate this year, is a doctrine of "Hands across the counter," with all the idealism that such a gesture symbolizes. All indications point to an unprecedented business year in 1937 and, as I envisage it, the item of goodwill is to become more than just a phrase.

American business has a clear and appealing story to tell, founded upon service. In this specialized world when "build-up" is all-important, it devolves upon business to tell its story and to demonstrate it with statesmanlike handling. This is as essential as striving to improve the country's condition as a whole by strengthening business itself.

Extending our "hands across the counter," showing to the consuming public our avowed interest in it and our own frankness, we will not only keep the wheels of industry turning with increasing momentum represented in sales but we will be making friends, bringing about peace and understanding between the two factions both of whom are essential to each other.

Some businesses have always followed this policy but not enough of them to have elevated the commodity of goodwill toward American business to the position of trust it must have. I foresee a great year and I heartily believe and hope that 1937 will find business combined in one great campaign of "selling itself," thereby annexing to itself friendship and trust and understanding which it rightfully deserves.

Dr. S. Schwabacher, *S. Schwabacher & Co.:—*

The past year has been satisfactory for us, as the demand for genuine imported Russian mineral oils and technical white oils has increased, compared with previous years.

We are confident that the demand will further increase during 1937, as there has been a very definite and established market for imported Russian oils for the past thirty years, which has expanded continuously.

A new line which we have developed substantially during 1936 was the mineral oil residues, by-products from white oil manufacture, namely, naphthenic soap and naphthenic acid sludge, for which there has been a growing interest in a number of industries, particularly for compounding textile oil specialties and cutting oils, where an emulsifier is required.

We are hopeful that 1937 will be a year of continued progress for the various industries which we have the privilege to serve.

August Kochs, *President, Victor Chemical Works:—*

The past year has been one of rising costs, due to advance in labor cost and in the market of some of our raw materials. While the volume of business has shown an improvement over the preceding year, competition at home and from abroad has kept prices at levels which did not compensate for the aforesaid cost factors.

As to the coming year, we expect that the tendency toward a rising labor and material market will continue and we believe that the best hope for chemical manufacturers in our line lies in improvement of processes and increased efficiency of operations.

Edward H. Carus, *President, Carus Chemical Company:—*

One interesting development during 1936 has been our pilot plant manufacture of rare permanganates—calcium, zinc, sodium, magnesium, lithium, barium, and strontium. Until recently these were only available in Germany. So far no large commercial use of any of these items is in sight and they are mainly used for research or medicinal purposes.

W. A. Patterson, *G. W. S. Patterson & Co.:—*

We are concluding a very satisfactory year. Fortunately, during this period price fluctuations in our line have not been very radical, and this applies to a very considerable extent for even the past thirty days when most raw materials, especially those of an import nature, have risen to considerably higher levels.

Natural gums have increased once more very largely in consumption due not only to better business conditions, but also to the fact that new uses are being found for them.

As to the probable result for 1937, it is naturally difficult to forecast definitely at the moment, but we lean to the viewpoint that prices of natural resins will continue to advance, though for the benefit of not only the importer but also the manufacturer, we earnestly hope that no speculative move will take place which will drive prices to anything bordering on those which ruled during 1927, '28, and '29. Such a happening, in our judgment, must inevitably lead to disaster sooner or later.

On the whole we look forward with optimism to the coming year, and while we may have temporary setbacks through various types of strikes, we cannot conceive that the steady upturn in all lines of business activity can be interfered with materially during the next twelve months.

C. H. Dresser, *Director Industrial Sales, Anderson-Prichard Oil Corporation:—*

Much progress has been made during 1936 by our research division in determining the limitations of petroleum solvents with the various synthetic resins, the details of which would be far too long to include in this letter.

During 1937 we expect to make available considerable information heretofore unpublished. Indications are that 1937 should be our largest in history and a very prosperous year for not only the paint industry but the petroleum industry.

A. J. Todd, *President, A. M. Todd Company:—*

The crops of essential oils raised in Michigan and Indiana in 1936 were much smaller than those raised in 1935. Unfavorable weather conditions hindered development and it was impossible to forecast production until harvest was well advanced. Uncertainties of this sort always make for difficult trading; but, notwithstanding this, it is our impression that demand has been good and that price fluctuations have been within reasonable limits. We look forward to continued good demand for the coming year. It is impossible, however, at this time to make any forecast of probable production and price.

In recent years prices for oils raised in Michigan and Indiana, other than peppermint and spearmint, have been so low that production has been discouraged, and higher prices must be in prospect in order to reinstate the required acreage.

Demand for all those products we import has been excellent for the year just closing and prospects are encouraging for 1937.

W. H. Matthews, *President, Forest Products Chemical Company:—*

The wood chemical industry, along with similar lines of business, has quite materially improved its position during the year 1936.

Surpluses of acetate of lime on hand January 1, 1936, have been absorbed, and we are going into 1937 with very low stocks.

The acetic acid made by the direct processes has been utilized about as fast as produced. Prices have been low, of course, but that in itself has no doubt stimulated demand and as a result the acetic acid business is in a very healthy condition generally.

Methanol stocks the first of this year, while quite heavy, have been disposed of, as well as the production of 1936, so inventories are low at this time.

The demand for charcoal has been active, with no stock on hand. Prices are higher and more stable than for several years.

Of course, the industry realizes that it no longer commands the important position in the chemical realm that it did in years past. Synthetic methanol has naturally taken the pre-eminent position in the market and most of us feel that our future depends quite largely on the extent of the research work that each individual plant performs. To this end, we, ourselves, have had two of our leading chemists in Europe for the past month, studying European conditions. That, together with the work we have done here, causes us to look forward to the future with optimism, and we are fully convinced that the plants, as a whole, can be maintained at about the present production, and those whose investments are in this particular industry are just as safe as any other chemical development.

Lee H. Bristol, *Vice-President, Bristol-Myers Company:—*

Sales in our business during the past year have increased measurably over the preceding year.

We have every reason to expect a continuance of good volume for the coming year. The Robinson-Patman act does not materially affect any of our past sales policies, and we are looking forward to a successful year, even with the increased tax burden that is inevitable.

CHEMICALS

Barrett

COKE OVEN
LIGHT OIL
DISTILLATES

SHORT
BOILING
RANGES

Short boiling range at desired temperatures promotes quick completion of evaporation or drying processes and reduces loss of solvent in recovery operations. Close and careful cutting provides extremely short boiling ranges of Barrett Coal-tar Solvents. This holds true for coal-tar solvents of both low and high initial points.

Barrett Coke Oven Light Oil Distillates include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Naphtha with a wide range of initial and end points. Write for our convenient specification chart and for complete information on Barrett Coal-tar Solvents. Inquiries for special solvents are invited and will receive the careful attention of experts in the manufacture and use of coal-tar solvents.

BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH NAPHTHA

The TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York, N. Y.

BARRETT

Coaltar Chemicals

Benzol Continues Firm—Slower Call for Toluol, Solvent Naphtha And Xylol — Creosote Oil Strong — Cresylic Acid Active —October By-Product Output Shows Decline

The market for coaltar chemicals revealed little change from the preceding period, with the possible exception that demand was a pace slower because of the preparations for the year-end inventory-taking period. However, the price tone remained firm in the market as a whole, sellers in all quarters of the market reporting a good volume of business on the books for delivery during the first quarter of 1937.

Benzol demand was fairly good in the early part of the week, but toluol demand slipped off somewhat because of the lower operating ratio in the automobile industry. Crude naphthalene was quiet. Phenol demand held up satisfactorily. Creosote oil continued strong. There was a fair call for cresylic acid. Coaltar acids and intermediates were in irregular demand, but prices were steady.

A small gain marked the production of coke during November. The daily rate of output from byproduct and beehive ovens, amounting to 144,546 tons, was 3.2 percent greater than the October rate of 140,094 tons, and was 34.1 percent above the rate prevailing in November a year ago, according to the United States Bureau of Mines. Output of byproduct coke for the 30 days of November amounted to 4,048,492 tons, or 134,950 tons per day, an increase of 2.8 percent when compared with October recovery. The gain was shared almost equally by merchant and furnace plants. For six consecutive months the production of beehive coke has shown an advance over the preceding month. The daily rate of recovery during November, amounting to 9,596 tons, showed a gain of 9.5 percent when compared with October. Stocks at byproduct plants continued to shrink, the total on hand at the end of November aggregating 1,805,774 tons, a decrease of 4.3 percent when compared with the amount on hand at the beginning of the month. The bulk of the decrease occurred at furnace plants, where stocks were depleted by 10.3 percent.

Coking coal charged in by-product ovens amounted to 5,810,865 tons, against 5,843,998 tons in October, and 4,488,112 tons in November, 1935. Total for the first eleven months amounted to 57,734,515 tons, compared with 44,628,529 tons in the same period a year ago. Light oil, November output, was 16,851,508 gallons, against 16,947,594 gallons in October, and 13,005,524 gallons in November, 1935. In the first eleven months the total was 167,430,093 gallons as compared with 129,422,734 gallons in the same period a year ago. Tar production in November was 53,576,175 gallons, against 53,881,661 gallons in October, and 41,280,492 gallons in November last year. Total for the first eleven months was 532,314,228 gallons, against 411,475,037 gallons in the same period last year. Benzol production was 9,578,000 gallons in November, against 9,674,000 gallons in October, and 7,468,000 gallons in November last year. Total for the first eleven months was 96,243,000 gallons, against 70,767,000 gallons in the same period a year ago. Ammonia sulphate, or its equivalent, output in November was 64,709 tons against 65,082 tons in October, and 48,942 tons in November last year. Total for the first eleven months was 639,922 tons, against 478,745 tons in the same period last year.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
123.1	**123.1**	**126.1**	**125.3**

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A good demand was shown for this material during the course of the week just closed. Manufacturing consumers were ordering out supplies in volume sufficient to care for nearby production wants. Hand-to-mouth buying was caused by the near approach of the year-end inventory-taking period. Steel operations last week, based on a six-day week, were at 77 percent of capacity, the same rate as for the preceding week, which was based on a five-day week, according to the American Iron and Steel Institute. A month ago operations were at 75.9 percent, and a year ago at 46.7 percent. Operations in the rubber tire industry were reflected in the year-end. Benzol production in November totaled 9,578,000 gallons, as against 9,674,000 gallons in October, and 7,468,000 gallons in November last year. Total for the first eleven months was 96,243,000 gallons, against 70,767,000 gallons in the corresponding period a year ago, according to an estimate furnished by the Bureau of Mines on the basis of those by-product plants known to recover benzol.

Creosote Oil.—Demand was fairly good throughout the period under review, the call originating in the usual quarters of consumption, and prices ruled firm at the levels in force previously.

Cresylic Acid.—A firm tone was in prominence in this direction again last week, and shipments moving for the account of the synthetic resin industry and other routine consumers were heavy. No change was disclosed in quotations. Cresylic acid imports for nine months amounted to 1,162,078 gallons, compared with 556,001 gallons in the same period a year ago, of which 1,118,542 gallons in 1936 came from the United Kingdom, 21,481 gallons from Canada, and 22,155 gallons from Netherlands.

Naphthalene.—Quiet prevailed in the market for crude naphthalene during the period under review, sellers of imported material reporting prices were firm, for supplies were said to be limited abroad. Domestic sources were reported to have booked a substantial quantity for shipment during 1937. The market for refined naphthalene was quiet. A good volume of business has been written for delivery through 1937.

Phenol.—An active buying movement was noted for this article again last week, the call coming from the synthetic resin industry, the pharmaceutical manufacturers and other routine sources. Prices ruled firm at the levels established for 1937.

Solvent Naphtha.—Important developments were lacking in this direction, consumers being inclined to order out for nearby requirements only. Prices ruled firm for industrial water white solvent naphtha. Quiet prevailed in the market for high flash naphtha.

Toluol.—There was a slight slackening in the call here, the letdown in automobile operations because of the holiday intervention, together with the labor difficulties in industries feeding the automobile trade with parts, explaining the lessened interest. Prices ruled firm. Automobile output last week fell below the weekly total in the same period a year ago.

Xylol.—A firm tone ruled in this market again last week. Sellers reported demand was fairly active at times.

Chicago Coaltar Bases

CHICAGO, Dec. 30.—Coaltar bases have come up to the end of the year in a firm market situation. While purchases naturally are in a situation where they are held down for normal year-end considerations, tone remains firm and the feeling in the market seems to be one of steadiness. Benzols are holding. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 12c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 12½c. to 13c.

Coaltar Acids

Benzoic.—Little activity was shown in this market again last week. Prices continued firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Cleve's.—Although the market was a rather drab affair again last week, sellers reported the price tone was firm.

Malic.—Another slow week was recorded in this direction, usual consumers purchasing only actual necessities, but prices ruled firm at previous levels.

Picric.—The highly irregular call failed to have influence on this market during the week just ended, for prices displayed a firm tendency at the level of the preceding period.

Salicylic.—This market continued to experience a fairly active demand in the first part of the week, but the holiday intervention slackened buying interest in the second half. Prices were unchanged.

Sulphanilic.—Dye makers were purchasing in a conservative manner during the week just ended. No change was disclosed in quotations.

Other Intermediates

Anilin Oil.—The market for this material continued to record a good demand. Prices ruled firm.

Betanaphthol.—A substantial buying movement continued in evidence for this article, prices were holding firm.

Benzidin Base.—This market revealed little change during the course of the period under survey, the demand side being quiet and prices were holding firm.

Dinitrobenzene. — Usual consumers were supplying an irregular call during the week just ended. Sellers reported quotations were decidedly firm.

Dinitrotoluene, Oily. — Interest here was concerned with occasional small quantities. Prices ruled firm.

Metanitroanilin.—Although the market experienced a highly irregular demand, consumers apparently covering for immediate production wants only, sellers reported prices were unchanged.

Metatoluylenediamine.—This market presented little change during the course of the week just closed, shipments were moving out at well spaced intervals, but quotations remained firm at the levels established for 1937.

Orthotoluidin.—This situation offered little change during the course of the week just closed, with demand highly irregular and prices were holding steady to firm.

Phthalic Anhydride.—The New Year holiday interrupted demand in the latter part of the week, but the movement of material to routine consumers in the foremost part of the period under review reached an aggragate sufficient to give the market a decidedly firm appearance.

R Salt.—Another dull and featureless week was recorded in this market, usual buyers adhering to a very conservative buying policy. Prices were unchanged.

Schaeffer's Salt.—While the market moved through a dull and featureless week, from a demand standpoint, sellers reported prices ruled firm.

Toluidin.—This market was much the same as in the preceding period, demand was extremely quiet and prices ruled firm.

Coaltar Colors

The market for coaltar colors noted a highly irregular demand during the week just closed. Manufacturing consumers in all quarters of the market were practicing a hand-to-mouth policy, influenced to a great extent by the year-end inventory-taking period. Despite the irregularity in the call, sellers reported prices appeared steady to firm. Reports from the cotton cloth industry stated that mill conditions continue generally favorable, having sold a good volume of business in the short business period last week. Favorable reports were also heard regarding the rayon and silk trade, and the woolen and worsted mills were operating at satisfactory levels. Dyes used in stains revealed little change, the call being spotty, but prices held steady to firm.

Roofing Specifications Incorporated in Booklet

A booklet of standard roofing specifications, written in blank, ready to be incorporated with architectural or engineering master specifications without alterations, is being published for free distribution by the tar and chemical division of the Koppers Company, Pittsburgh. Dale Hamilton, manager of the roofing department of the division, states that the specifications do not restrict themselves to any particular manufacturer's product.

Complete specifications for all types of coaltar pitch and tarred felt roofs are included in the book. They include applications over wood decks, concrete or poured gypsum, pre-cast concrete or gypsum, book tile, steel deck or under promenade tile. There also are sections on spray pond or watercooled roofs, roofing insulation, waterproofing and damp-proofing, flashing specifications and metal fiinishing strip details.

Phillips Petroleum to Get 100 More Fuse-Weld Cars

WASHINGTON, Dec. 28, 1936.

The Interstate Commerce Commission has granted authority to the Phillips Petroleum Company to build and use, in the transportation of liquefied petroleum gases, 100 tankcars in conformity with I. C. C. specification 105-A-300, except that they may be fusion welded instead of forge welded.

These cars are to be built in addition to the 25 tankcars which were authorized previously by the I. C. C. In its application, the Phillips Petroleum Company stated that since the date when authority was granted for the construction and use of the 25 cars, the demand and use of liquefied petroleum gases had increased beyond all expectations; that all the cars of this type owned by the company are in constant use, and that the company has actual demands for an additional number of cars which will probably reach 100.

Baking Powder Output Makes Gain Over 1933

Production of baking powder, yeast and other leavening compounds in the United States during 1935 showed a slight gain over that for 1933—$32,340,648 in value, compared with $31,975,282—according to preliminary figures compiled by the Bureau of the Census from the returns of the biennial census of manufactures taken last year. The output of baking powder was 155,723,766 pounds, valued at $14,435,026; yeast and other leavening compounds, 181,005,938 pounds, valued at $14,081,876. Miscellaneous products totaled in value $3,823,746. Although the number of wage earners in the industry decreased 0.9 percent, from 2,690 in 1933, to 2,666 in 1935, wages increased 17.1 percent, from $3,653,980 to $4,277,962. The cost of materials, fuel, etc., consumed in 1935 amounted to $14,603,037, an increase of 11.4 percent over 1933, but the value of the products manufactured last year was only 1.1 percent above the 1933 figure.

Comparative statistics for the two years follow:—

	1935.	1933.
Number of establishments	46	40
Wage earners (average for the year)	2,666	2,690
Wages	$4,277,962	$3,653,980
Cost of materials, containers, fuel, and purchased electric energy	$14,603,037	$13,111,867
Value of products	$32,340,648	$31,975,282
Value added by manufacture	$17,737,611	$18,863,415

J&L LIGHT OIL DISTILLATES
PURE BENZOL
90% BENZOL
PURE TOLUOL · XYLOLS
SOLVENT NAPHTHA
JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
JONES & LAUGHLIN BUILDING, PITTSBURGH, PA.

CRESYLIC ACID 97-99% Pale
AMERICAN-BRITISH CHEMICAL SUPPLIES, Inc.
180 MADISON AVE. Telephones: Ashland 4-2265 and 4-2266 NEW YORK

KOPPERS

KOPPERS is one of the important sources of chemical raw materials such as Benzol, Toluol, Xylol, Solvent Naphtha, Phenol, Cresol, Cresylic Acid and Naphthalene. But it is much more than that. It designs and builds plants in which many of these materials are produced and refined. It makes roofing and waterproofing materials for the protection of industrial plants, and Tarmac road materials for the paving of plant roads. It mines bituminous coal for fuel and for processing. It produces coke. Koppers is the only manufacturer of Fast's Self-Aligning Couplings, invaluable in power shaft connections. It builds tanks and does plate work; manufactures gas and water valves and fire hydrants. It produces piston rings of every size for every type of gasoline, Diesel and steam engines, and builds and reconditions lighters, tankers and ocean vessels. It produces creosote and applies preservative treatments to lumber, piling, posts, etc.

Koppers Chemicals and Solvents
Benzol (all grades)
Toluol (Industrial and Nitration)
Xylol (10° and industrial)
Solvent Naphtha (including High Flash)
Phenol (82% and 90% Purity)
Cresol (U.S.P., Resin and Plasticizer Grades)
3° Meta Para Cresol
Cresylic Acid (Disinfectant Grades—98%, pale, low-boiling. Insecticide Grades—98%, pure, high-boiling)
Naphthalene
Shingle Stain Oil
Refined Tars
Tar Acid Oils
Pitch Coke
Industrial
Coal Tar Pitches
Flotation Oils
Creosote

Other Koppers Products
Tanks and Tank Work
Benzol Recovery Plants
Naphthalene Removal Apparatus
Phenol Removal Apparatus
By-Product Gas Plants
By-Product Recovery Apparatus
Sulphur Recovery Apparatus
Coal Tar Roofing Materials
Waterproofing and Dampproofing Materials
Tarmac Road Tar Materials
Bituminous Base Paints
Coal
Coke
Fast's Self-Aligning Couplings
Fire Hydrants
Piston Rings
Gas and Water Valves
Treated Lumber
Special Machinery

KOPPERS DIVISIONS—American Hammered Piston Ring Division . . . Bartlett Hayward Division . . Engineering and Construction Division . . . Gas and Coke Division . . . Tar and Chemical Division . . . Western Gas Division.

KOPPERS SUBSIDIARIES AND AFFILIATES—Eastern Gas and Fuel Associates . . . Hiler Engineering and Construction Company, Inc. . . . The Koppers Coal Company . . . Koppers-Rheolaveur Company . . . The Maryland Drydock Company . . . The White Tar Company of New Jersey, Inc. . . . The Wood Preserving Corporation

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-twenty-second Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Alphabromolauric Acid Tetradecylester

Soap

Starting point (Brit. 403883) in making—
Saponaceous products by reaction with amines, such as anilin, piperidin bases, hydroxyethylanilin, dihydroxyethylanilin, paratoluidin (these products may be used alone, or with soaps, fillers, or compounds giving off oxygen)

Ammonium Fluoride

(Ammonfluorid, Fluorammoniak, Fluorammonium, Fluorure d'Ammoniaque, Fluorure d'Ammonium)

Agriculture

Improver for—
Sandy soils

Analysis

Reagent in—
Analytical methods for control, research, and other purposes

Beverage

As an antiseptic

Chemical

Reactant in—
Decomposing minerals
Starting point in making—
Other fluoride salts
Various fluoride salts (U.S. 1911004)
Various fluosilicates (U.S. 1911004 and 1899607)

Glass

As an etching agent

Miscellaneous

Reagent in—
Carrotting furs

Textile

Mordant in—
Printing and dyeing

Amylcresol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents, useful in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and non-aromatic secondary amines (the salts of the products with water-soluble acids, or water-insoluble acids, or the quaternary ammonium salts, are claimed to be valuable for the purposes named)

Amylphenol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents, useful in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and non-aromatic secondary amines (the salts of the products with water-soluble acids, or water-insoluble acids, or the quaternary ammonium salts, are claimed to be valuable for the purposes named)

Anthranilic Acid Ester of Ricinoleic Alcohol

Bituminous

Solvent (Brit. 445223) for—
Asphalt and other bituminous bodies

Dye

Solvent (Brit. 445223) for—
Dyestuffs, particularly oil-soluble coaltar dyes

Fats, Oils, and Waxes

Solvent (Brit. 445223) for—
Fats Waxes
Oils

Resins

Solvent (Brit. 445223) for—
Oil-soluble glycerol-phthalic acid resins
Polymerized vinyl compounds
Synthetic resins

Rubber

Solvent (Brit. 445223) for—
Rubber

Bornylcresol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents, useful in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and non-aromatic secondary amines (the salts of the products with water-soluble acids, or water-insoluble acids, or the quaternary ammonium salts, are claimed to be valuable for the purposes named)

Bornylphenol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents, useful in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and non-aromatic secondary amines (the salts of the products with water-soluble acids, or water-insoluble acids, or the quaternary ammonium salts, are claimed to be valuable for the purposes named)

Bromoacetic Acid Hexadecylester

Soap

Starting point (Brit. 403883) in making—
Saponaceous products by reaction with amines, such as anilin, piperidin bases, hydroxyethylanilin, dihydroxyethylanilin, paratoluidin (these products may be used alone, or with soaps, fillers, or compounds giving off oxygen)

Butylbromophenol

Chemical

Starting point (Brit. 444351) in making—
Fat-splitting catalysts and emulsifying agents, useful in dyeing, laundering, bleaching, and various other purposes, by reacting with formaldehyde and non-aromatic secondary amines (the salts of the products with water-soluble acids, or water-insoluble acids, or the quaternary ammonium salts, are claimed to be valuable for the purposes named)

3-Chlor-10-deltadiethylaminoalphamethylbutylaminoacridin

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
New pharmaceutical

3-Chlor-10-deltadiethylaminoalphamethylbutylaminoacridin Bromide

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
New pharmaceutical

3-Chlor-10-gammadiethylaminobetahydroxypropylaminoacridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
New pharmaceutical

Dibetaethoxyethyl Adipate

Ceramics

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Solvent and plasticizer (U.S. 1991391) for—
Cellulose esters and ethers

Cosmetic

Plasticizer (U.S. 1991391) in—
Nail enamels and lacquers containing cellulose ester or ether as a base material

Electrical

Plasticizer (U.S. 1991391) in—
Insulating compositions, containing cellulose esters, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Plasticizer (U.S. 1991391) in—
Adhesive compositions containing cellulose esters or ethers

Leather

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metallurgical

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 1991391) in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (U.S. 1991391) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers

Paper

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp

Photographic

Plasticizer (U.S. 1991391) in making—
Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 1991391) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Plasticizer (U.S. 1991391) in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Woodworking

Plasticizer (U.S. 1991391) in—
Compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork

Dichloroacetic Acid Tetradecylester

Soap

Starting point (Brit. 403883) in making—
Saponaceous products by reaction with amines, such as anilin, piperidin bases, hydroxyethylanilin, paratoluidin (these products may be used alone, or with soaps, fillers, or compounds giving off oxygen)

1-Methylbenzothiazole-5-carboxylic Chloride

Dye

Starting point (Brit. 441915) in making—
Greenish-yellow vat dyes of good fastness to light, chlorine, and alkali, by condensing with an orthoaminothiol of the benzene, naphthalene, or anthraquinone series
Greenish-yellow vat dyes of good fastness to light, chlorine, and alkali, by condensing with an arylamine and the orthothiol group subsequently introduced and the product cyclized

Naphthenic Acid Ester Ricinoleic Alcohol

Bituminous

Solvent (Brit. 445223) for—
Asphalt and other bituminous bodies

Dye

Solvent (Brit. 445223) for—
Dyestuffs, particularly oil-soluble coaltar dyes

Fats, Oils, and Waxes

Solvent (Brit. 445223) for—
Fats Waxes
Oils

Resins

Solvent (Brit. 445223) for—
Oil-soluble glycerol-phthalic acid resins
Polymerized vinyl compounds
Synthetic resins

Rubber

Solvent (Brit. 445223) for—
Rubber

Orthoanisidin-4-sulphonamide

Dye

Intermediate in—
Dye syntheses
Starting point (Brit. 425839) in making—
Water-insoluble azo dyes for use as red pigments for rubber, by coupling with orthoanisidide

Orthotoluidin-4-sulphonanilide

Dye

Intermediate in—
Dye syntheses
Starting point (Brit. 425839) in making—
Water-insoluble azo dyes for use as red pigments for rubber, by coupling with orthoanisidide

Dyestuffs and Textile And Leather Chemicals

Sharp Advance in Myrobalans, Sumac and Valonia—Wattle Bark Strong—Better Demand for Egg Products—Bichromates Quiet —Alumina Chloride Steady—Corn Derivatives Dull

The market for dyestuffs-tanstuffs continued highly irregular during the week just closed. Manufacturing consumers in all quarters of the market were putting forth a final effort to hold down surplus stocks to a low level for year-end inventory purposes. Changes in the market included an advance in myrobalans, sumac and valonia.

Advance in prices for sumac, myrobalans and valonia could be attributed in a large measure to the ocean freight rate situation as well at to the general rise in commodity prices. Other tanning materials continued quiet. Tanners were giving consideration to year-end stocks. However, reports from shoe manufacturing companies in the New England district were said to have a good volume of orders on hand for production in the first quarter. Dyestuffs were slow. However, reports from the textile districts throughout the country continued favorable, especially from the cotton textile industry. Annatto and cochineal continued quiet. Bichromates continued firm, producers having booked a substantial business for first-quarter delivery. There was little to report in the market for alumina chloride. Zinc dust was firm. Egg products displayed a firm tendency, demand showing some improvement.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Myrobalans, J1, $2 per ton.
Sumac, $1 per ton.
Valonia, $2 per ton.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
152.7	152.6	152.4	152.2

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—A good demand was reported in this market during the period just closed. Sellers reported prices were steady to firm.

Antimony Salt.—Although demand was highly irregular throughout the week just ended. The call was confined to purchases for immediate production wants only. Prices continued to hold steady the levels in force in the preceding week.

Potash Bichromate.—This market continued to experience an irregular call during the week just ended. Manufacturing consumers were giving consideration to year-end inventories. Prices ruled unchanged.

Potash Prussiate.—An active buying movement was reported in the market for the red material. Sellers reported no change in quotations. The call for yellow prussiate was spotty, and no change was uncovered in prices.

Soda Bichromate.—This market offered little change during the course of the week just ended, producers continuing to make a drive for 1937 contracts. Demand last week typified the near approach of year-end inventory-taking.

Zinc Dust.—A fair demand was reported for this material again last week. Prices held steady. Steadiness could be attributed to continuance of a similar tone in the basic metal.

Dyestuffs

Annatto.—The market for paste and seed annatto continued highly irregular during the course of the week just ended. Manufacturing consumers were purchasing when needs reached an urgent point. Prices were unchanged.

Cochineal.—Business in the market for Teneriffe silver and gray cochineal continued spotty during the week just ended. The dull character of the call reflected the consideration consumers were giving to year-end supplies. No change was disclosed in quotations.

Fustic.—This market continued to experience a highly irregular call during the week just ended, demand being influenced to a great extent by the preparations for taking an account of year-end stocks. No change was uncovered in quotations.

Indigo.—The market for natural indigo continued dull throughout the week just ended, but the slow demand failed to have an influence on the market pricewise, for stocks were not too plentiful. The call for synthetic indigo was fair. Prices were steady.

Logwood.—A steady to firm tone ruled in this direction during the week, although consumers in all quarters of the market were confining purchases to small quantities, sufficient to cover nearby production requirements.

Madder, Dutch.—Another dull week was experienced in this direction. Usual buyers were remaining aloof from the dealings unless wants reached an imperative stage. Prices were firm, the firmness being due to the limited amount on hand.

Quercitron.—Important developments were lacking in this market. Prices ruled firm.

Sizing Materials

Albumen.—The market for edible egg albumen continued to experience an irregular call, but the volume of business transacted surpassed the amount involved in the dealings in the preceding period. Prices assumed a slightly firmer position. This firmness could be explained largely by the technical position of the market, for supplies both here and abroad were said to be conservative. Prices were unchanged.

Dextrin.—A firm tone ruled the market for corn derivatives. Shipments were moving out at an irregular pace. Irregularity in demand could be attributed to the desire of consumers to close the year with stocks at a low level.

Egg Yolk.—Some improvement was in evidence in the market for this material. Consumers evidently were covering for urgent needs. Sellers were reporting a strong market in the offing in the first quarter of the new year, for stocks were said to be conservative, both here and abroad. No change was disclosed in the market pricewise.

Frozen Eggs.—The market on the New York Produce Exchange was dull. On Thursday January whole mixed futures closed at 20.25c. to 21.50c.; February, 19c. to 20.50c.; March, 19c. to 20.50c.; April, 20.50c. Spot, nominal.

Starch.—This market experienced little variation from recent weeks, with the exception that demand was a pace slower, for consumers in all quarters of the market were endeavoring to close 1936 with small stocks. Prices ruled firm.

Tanning Materials

Gambier.—The market for common gambier was quiet during the week. Prices were nominal. The call for Singapore cubes and plantation material was spotty, but a firm tone governed the dealings.

Mangrove Bark.—Business in this market continued highly irregular. Prices were unchanged.

Myrobalans.—Prices for J1 material were higher at $26.50 to $27 per ton. And the firmness could be attributed to the ocean freight rates situation. No change was disclosed in the prices for J2 and R2 material.

Quebracho.—This market continued highly irregular throughout the week just ended. Consumers were covering for immediate needs only. However, manufacturing consumers were reported to have a good volume of business ordered for shipments after the turn

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

ANNOUNCEMENT

It is with pleasure that we announce our new address. Here, under one roof, equipped with every modern facility for efficient service, are combined the GDC offices, laboratories, warehouse and shipping rooms. From these new quarters GDC now offers its customers the advantages of a complete line of dyestuffs for wool, cotton, silk, rayon, paper, leather, paints, dry colors, resins and various other trades using colors or allied products, backed by a comprehensive technical service for their application.

GENERAL DYESTUFF CORPORATION, 435 Hudson St., New York

FREDERICK P. KAPPER & CO. 367-373 FULTON ST. BROOKLYN, N.Y.
DRY COLORS INTERMEDIATES ◆ DYESTUFFS ◆ CHEMICALS FLUSHED COLORS ◆
"EVERYTHING IN AN ANILINE COLOR FOR ANY TRADE"
See GREEN BOOK Who's Who For Alphabetical Listings INQUIRE! We Mail Samples and Prices On Date Request Is Received

NIACET PRODUCTS
Acetic Acid Glacial and U. S. P.
Acetal
Acetamide
Acetaldol
Paraldehyde
Acetaldehyde
Crotonic Acid
Iron Acetates
Methyl Acetate
Crotonaldehyde
Aluminum Acetate
Aluminum Formate
Sucrose Octa Acetate
Other Acetate Salts

CROTONALDEHYDE
CH_3-CH CH-CHO
SOLVENT for oils, fats, waxes, resins, rubber.
RAW MATERIAL for organic synthesis, quinaldine dyes, rubber accelerators.
OIL PURIFIER for removing undesirable impurities from lubricating oils.
INSECTICIDE for irritating agent causing insects to expose themselves to toxic vapor.
LACHRYMATOR for tear gas, and detecting leaks in air or gas lines.

NIACET
CHEMICALS CORPORATION
Sales Office and Plant Niagara Falls, N.Y.

MUTUAL BICHROMATES
BICHROMATE OF POTASH
BICHROMATE OF SODA
OXALIC & CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE., NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY
MINES IN NEW CALEDONIA

of the year, upon the completion of year-end inventory-taking.

Sumac.—Price for ground sumac was nominal at $59 per ton. The call for leaf was spotty, sellers were also quoting this market nominal at $61 per ton.

Valonia.—The ocean freight rate situation, coupled with limited offerings, tended to bring about a strong tone here, sellers were listing the market at $48 to $50 per ton nominal for beards, and cups were listed at $35 to $36 per ton.

Wattle Bark.—Although demand was spotty again last week, sellers reported prices ruled firm at $31 to $32 per ton.

Bids Wanted

Acid:—Supplies of hydrochloric, hydrofluoric, nitric, and sulphuric; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9667, opening January 19.

Aluminum Foil:—1,300 pounds, for Brooklyn, N. Y.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9562, opening January 8.

Ammonium Chloride:—15,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9681, opening January 19.

Antimony:—Supplies of for delivery at East and West coast points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9555, opening January 8.

Beeswax, Yellow:—10,400 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9658, opening January 12.

Boiler Compound:—95,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9706, opening January 19.

Calcium Carbide:—441,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9661, opening January 12.

Calcium Chloride:—96,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9666, opening January 12.

Caustic Soda:—123,076 cans; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-114, opening January 8.
14,000 cans; Quartermaster Supply Officer, Fort Sam Houston, Texas; procurement 503-116, opening January 19.

Chrome Green:—22,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Chrome Yellow:—10,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Coaltar Naphtha:—10,000 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9683, opening January 12.

Cresol Solution:—9,600 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9671, opening January 12.

Cuprous Oxide:—5,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Dope, Semi-Pigmented:—4,300 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, O.; circular 427, opening January 13.

Enamel, Interior:—1,140 gallons; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement RA-1780-N, opening January 5.

Fuel Oil:—156,000 gallons; U. S. Engineer Office, Philadelphia; circular 279 and 280, opening January 6.

Gold Leaf:—Supply of for Brooklyn, N. Y.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9614, opening January 12.

Glue, Animal:—7,800 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9658, opening January 12.

Glue, Casein:—1,400 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9658, opening January 12.

Glue, Liquid:—1,690 pints; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9658, opening January 12.

Glue, Marine:—63,200 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9658, opening January 12.

Indian Red:—5,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Lampblack, Dry:—16,800 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Litharge, Dry:—18,800 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Magnesium Silicate:—46,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Manganese Linoleate: — 10,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9672, opening January 12.

Manganese Resinate:—30,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Mercuric Oxide:—5,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Metallic Brown:—62,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Mixed Acid:—80,000 pounds; Commanding Officer, Picatinny Arsenal, New Jersey; circular 387, opening January 5.

Paint, Cold Water:—975 gallons; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement RA-1780-N, opening January 5.

Paint, Interior Oil:—895 gallons; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement RA-1780-N, opening January 5.

Paint, Water:—10,900 pounds; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, O.; circular 428, opening January 13.

Raw Sienna:—5,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Sizing Primer:—6,000 pounds; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement RA-1780-N, opening January 5.

Soda Ash, Powdered:—52,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9655, opening January 12.

Spices:—Supplies of allspice, cinnamon, cloves, ginger, nutmeg, sage, thyme, and assorted spices for delivery at East and West coast points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9476, opening January 26.

Stove Polish:—50,000 cakes; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-114, opening January 8.

Sulphuric Acid:—100,000 pounds; Commanding Officer, Picatinny Arsenal, New Jersey; circular 387, opening January 5.

Titanium Pigment, Dry:—1,250,444 pounds; for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; 9612, opening January 12.

Toluidin, Red:—1,800 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Trisoda Phosphate:—173,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9665, opening January 12.

Ultramarine Blue:—2,800 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Valve Grinding Compound:—1,100 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9673, opening January 19.

Venetian Red, Dry:—179,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

White Lead:—1,100 pounds; State Procurement Officer, Treasury Department, Boston, Mass.; procurement C-5, opening January 11.

Yellow Ocher, Dry:—5,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9634, opening January 12.

Contracts Awarded

Acetic Acid, Glacial:—19,800 pounds; award to the Niacet Chemicals Corporation, at 6.53 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 68, opened December 14.

Aircraft Engine Fuel: — 733,000 gallons; award to Standard Oil Company of Indiana, at from 8.7 cents to 14.4 cents a gallon.
3,838,000 gallons; award to Shell Petroleum Corporation, St. Louis, at from 6.25 cents to 26.5 cents a gallon.
139,000 gallons; award to Standard Oil Company of Texas, at from 8.76 cents to 16.5 cents.
15,000 gallons; award to Texas Company, at 19.25 cents a gallon.

All the above awards by the Army Air Corps, Wright Field, Dayton, O.; circular 307, opened November 25.

Alcohol:—28,275 gallons; award to the U. S. Industrial Alcohol Sales Co., at 25.9 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 52, opened November 9.

Aluminum Powder:—1,300 pounds; award to the W. H. Kemp Company, at 40.8 cents; by the Commanding Officer, Picatinny Arsenal, N. J.; procurement 246, opened November 9.

Ammonia:—10,600 pounds; award to the Henry Blower Chemical Company, at 17.75 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 52, opened November 9.

Anilin:—6,300 pounds; award to the E. M. Sergeant Pulp & Paper Chemical Company, at 16 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 68, opened December 14.

Calcium Bleach:—28,100 pounds; award to the Conray Products Company, at 2.22 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 52, opened November 9.

Calcium Chloride:—35,100 pounds; award to the Dow Chemical Company, at 3.9 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 52, opened November 9.

Chlorine:—32,000 pounds; award to the B. P. Ducas Company, at 2.49 cents, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 68, opened December 14.

Coaltar Pitch:—112,000 pounds; award to the Barrett Company, at 1.3 cents a pound; by the Quartermaster Depot, San Antonio, Tex.; circular 7, opened November 9.

Dry Cleaning Solvent:—2,385 pounds; award to the Industrial Distributors, at 14.45 cents; by the Army Air Corps, Wright Field, Dayton, O.; circular 342, opened December 3.

Fuel Oil:—40,000 barrels; award to Duncan, Fox & Co., at $1.05 by the Quartermaster, Army Supply Base, Brooklyn, N. Y.; procurement 103, opened December 3.

Metal Polish:—7,500 pints; award to R. M. Hollingshead Corporation, at 6.9 cents; by the Quartermaster, Army Supply Base, Brooklyn, N. Y.; procurement 99, opened December 11.

Rock Salt:—120,000 pounds; award to Herbert A. Edgar, at .005 cents a pound; by the Quartermaster, Fort Sam Houston, Tex.; procurement 90, opened November 14.

Soap, Laundry:—10,000 pounds; award to the Procter & Gamble Distributing Company, at $4.17 per hundredweight; by the U. S. Engineer, Philadelphia; procurement 246, opened December 11.

Soap, Toilet:—10,000 cakes; award to Swift & Co., at $5.17 per hundredweight; by the U. E. Engineer, Philadelphia; procurement 246, opened December 11.

Soda Lime:—11,700 pounds; award to the Mine Safety Appliance Co., at 13 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 57, opened December 3.

Sodium Cyanide:—3,600 pounds; award to Merck & Co., at 16.5 cents a pound; by the Quartermaster, Rock Island Arsenal, Ill., procurement 243, opened November 27.

Sulphur Monochloride: — 175,500 pounds; award to the Dow Chemical Company, at 2.5 cents; by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 52, opened November 9.

Varnish:—500 gallons; award to the Varcraft Works, at 62.5 cents, by the Commanding Officer, Picattinny Arsenal, N. J.; procurement 246, opened November 9.

White Lead:—14,300 pounds; award to W. P. Fuller & Co., at 8.24 cents a pound, by the Quartermaster, Fort Douglas, Utah; procurement 9, opened November 5.
16,000 pounds; award to the Glidden Company, at $8.37 per 100 pounds, by the Quartermaster, West Point, N. Y.; procurement 46, opened November 11.

Obituarie·

Philip G. Conrad

Philip G. Conrad, retired glue and furniture manufacturer, Louisville, Ky., died Christmas Day, at the home of his son in that city. He was eighty-nine years old. Mr. Conrad was formerly president of the Louisville Gelatin Works, and the Louisville Chair & Furniture Company, and a member of the firm of Conrad & Kammerer, glue manufacturer, New Albany. Surviving are a sister, Mrs. Katherine Hess, and three grandchildren.

Albert J. Cramp

Albert J. Cramp, head of the sundries department of Schieffelin & Co., wholesale druggist, this city, died unexpectedly December 29. He was sixty-eight years old. Mr. Cramp's early business training included service with Lazell Dalley & Co., Roger & Gallet, and Park & Tilford. He entered the employ of Schieffelin & Co. May 30, 1891, as a clerk in the sundries and toilet goods department. He became salesman, assistant to the sundries buyer, and then buyer and head of the sundries department. Mr. Cramp was active in the affairs of the Druggists Supply Corporation, of which he was a permanent member of the merchandizing committee. His home was in Brooklyn, and he is survived by his wife, Mrs. Jennie P. Cramp, and one son, Arnold P. Cramp.

Edward L. Frohring

Edward L. Frohring, head of Ed. L. Frohring & Co., food and drug broker, Cleveland, died December 17 of internal injuries received in an automobile accident. He was thirty-nine years old. Mr. Frohring had witnessed another automobile accident just before his own and had taken two of the injured persons to a hospital. Returning to his home from the hospital, his car struck a tree. It is believed he had suffered a heart attack, causing the accident. Mr. Frohring was long associated with the S. M. A. Corporation in the sales division, but for the last three years had operated his own business. Surviving are his wife and two children, and two brothers, W. O. Frohring, vice-president of the S.M.A. Corporation, and Paul R. Frohring, president of the Eff Laboratories, both of Cleveland.

Willson H. Rowley

Willson Hunt Rowley, vice-president and member of the board of the Evans Lead Company, died of heart disease December 26 in his home in Philadelphia. He was sixty-nine years old. Mr. Rowley was a native of St. Louis, but had made his home for the last fifteen years in Charleston, W. Va., and in Philadelphia. At the time of his death he was retired from active duty, although he was a vice-president and member of the board of the Evans Lead Company in Charleston. He had been identified with the paint industry for fifty years, and was the originator of the mild process for the manufacture of white lead, which was produced by the Rowley Lead Company, St. Louis. This business was acquired by the Acme White Lead and Color Works, Detroit, in 1907. Mr. Rowley then organized the Lead Products Company, St. Louis, of which he was vice-president and general manager. This company later sold out to the Eagle-Picher Lead Company, and then Mr. Rowley became an officer of the Evans Lead Company. He is responsible for many important contributions to the white lead, lead oxide, and storage battery industry. Surviving are three sons, Geo. A. Rowley, E. Jennings Rowley, and Willson J. Rowley, Philadelphia.

Nathaniel Seavey Drake, father of James Frank Drake, president of the Gulf Oil Corporation, died in Pittsfield, N. H., December 28 of pneumonia. He was eighty-five years old. His wife and a daughter, Mrs. Calvin Foss, Brooklyn, also survive.

Bartholl H. Hubbert, president of the Hubbert Copper Company, Baltimore, died December 27 at his home in that city. He was sixty-five years old. Born in Budapest, Mr. Hubbert came to this country in 1892 and joined his brother Adolph Hubbert, both working for Thomas A. Edison. During the World War, Mr. Hubbert was custodian for the Federal Government of all copper entering or leaving Baltimore.

William R. Meyers, mining engineer, with the Cleveland-Cliffs Iron Company, Ishpeming, Mich., died in that city Christmas Day, of pneumonia, while visiting relatives and friends. He was a native of Louisville, Ky. His wife and two children survive.

Ralph E. Tweed, founder and head of the R. E. Tweed Company, advertising, Philadelphia, died December 24, after an illness of nine months. He was a native of Sparta, Ill., and was successively advertising manager for the International Harvester Company, Batavia, N. Y.; sales and advertising manager for the Franklin Printing Company, Philadelphia; advertising manager for the Welsbach Company, Gloucester, N. J., and contact executive for the Frank Presbrey Agency, this city. Surviving are his wife and two daughters.

John Nicholas Vrooman Vedder, professor of thermo-dynamics at Union College, Schenectady, N. Y., died of a heart attack in his home, in that city, December 26. He was sixty-three years old. He was a member of many scientific organizations, including the Society for the Promotion of Engineering Education, and the American Association for the Advancement of Science. Surviving is his wife, Mrs. Harriet Booth-Rush Vedder.

'Blocked' Marks Problem Eased by U.S. Treasury

Transactions Not Involving Countervailing Duties Are Listed

WASHINGTON, Dec. 28, 1936.

A partial solution to the problem of using German "blocked" marks for purchase of goods to be imported into the United States has been announced by the Treasury Department.

Under the general countervailing provisions of the tariff law the use of "blocked" marks obtained at a discount in Germany for purchase of export goods constitutes a subsidy and subjects the goods to countervailing duties upon importation. The subject has been the cause of considerable friction between the two governments, and recently the German government asked for an interpreation of the law which would permit certain uses of "blocked" marks for exports to this country.

In reply the Treasury Department has listed four types of transactions which will not involve imposition of countervailing duties, including direct barter transactions and those in which the marks have continuously been in the control of parties to the transaction. The official statement said:—

1. Payment of the purchase price, in whole or in part, with the use of controlled mark credits provided that the credits so used have been, from the time they became subject to German governmental control, continuously owned by the person for whose actual account the merchandise is purchased for direct or indirect shipment to the United States.

2. Payment of the purchase price, in whole or in part, with the proceeds of the sale in Germany of merchandise exported from the United States, provided that such proceeds, until so used, have been continuously owned by the person for whose actual account the American merchandise is sold in Germany and the German goods are purchased in that country.

3. Combination of the foregoing two procedures.

4. Exchange of merchandise between single German and American parties without any monetary transaction actually taking place.

The foregoing contemplates that the purchase of German goods will be made for the actual account of the original and continuous owner of the controlled mark credits used, or of the American vendor of the American exports sold in Germany, and that in no case will the German funds of such owner or vendor be used to purchase German products for the account of any other person or organization; and likewise that the German products exchanged for American goods in any permitted barter transaction will be received for the actual account of the person or organization for whose actual account the American exports were shipped to Germany.

Cataract Chemical Company, Buffalo, has leased the Teal building in Fort Erie, Ont., and will open a branch plant to produce leather tanning chemicals for the Canadian and British trades.

Paint, Varnish, Lacquer Materials

Trade Handicapped by Holidays—Lead Products, Ester Gums and Casein Strong — Moderate Changes in Rosin and Turpentine Prices——Colors Unchanged

Paint, varnish and lacquer chemicals underwent the usual dullness of the holiday period and operators in the market expected continued quiet for a few days until after annual inventories have been disposed. An early revival of the fairly active type of business done in December, was expected. The principal development in the market was the advance in white lead prices, January 1, which was announced December 23. As reported here previously, lead sulphates joined in the lead pigment advance this time, marking the first change in blue or white lead sulphate since January, 1933. Minor changes in the less car lot prices for standard grades of carbon black also took place January 1, having been announced several weeks ago.

There have been no further changes in color prices since the recent changes in French ocher, metallic brown, chrome oxide green and Persian Gulf red oxides. Chrome yellow commenced the new year in a firm position at higher prices and markedly in contrast with its position at the commencement of 1936.

In addition to the lead products, other commodities that start 1937 in a very strong place include ester gums and casein. Both were now priced at their highest levels in many years. The mounting costs of raw materials for the former article place the price far beyond the first quarter of the year in a position of uncertainty. And, casein market trades expected a further advance in price before the production broadens to relieve the current lightness of supply.

November sales of paint, varnish, lacquer and fillers, reported to the Bureau of Census by 680 establishments, totaled $29,488,620 against $35,354,930 in October and total sales for the first eleven months of 1936 were $367,538,406. No comparisons for 1935 were available. The reports from 579 of these establishments showed November sales of $28,502,938 against $34,048,582 in October and $25,426,631 in November 1935, and total sales for eleven months were $353,091,964 in 1936 against $314,238,704 in eleven months of 1935 and $260,200,143 in a like period of 1934. Plastic paints sold in November totaled 460,941 pounds against 530,935 in October and 397,740 pounds in November 1935; dry cold water paints sold in November totaled 1,442,672 pounds against 2,131,765 in October and 1,188,965 in November 1935, and calcimines sold in November totaled 5,382,585 pounds against 6,914,947 pounds in October and 5,064,605 pounds in November 1935, according to the Bureau of Census.

Shipments of pneumatic casings in October were estimated at 4,081,023 units, an increase of 6.4 percent over September, and fractionally higher than the 4,054,747 units shipped in October, 1935, according to the Rubber Manufacturers' Association. Production was 5,123,467 against 4,981,131 in September and 4,050,509 in October, 1935, and, stocks were 10,088,510 against 9,005,065 units in September and 8,290,594 in October, 1935. Production for the first ten months of 1936 was 47,809,676 units against 41,313,470 in the same period of 1935.

Rosin and turpentine price movements were moderate. Business was quieter as usual at this season when the work of inventory-taking is under way and or about to begin. Offerings in primary markets were light although receipts were still liberal. Unsold stocks of rosin in the interior were said to be much smaller than at this time last season, with holders reported as strong in their views as to the outlook for business and prices early in the new year.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rosin, low grades, 10c. per 280 lbs.
Shellac, bonedry, ½c. per lb.
T. N., ½c. per lb.
superfine, ½c. per lb.
Turpentine, gum, 1c. per gal.

Reduced

Rosin, medium grades, 5c. per 280 lbs.
Turpentine, s. d., 2c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
132.7	**132.7**	**131.1**	**130.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead prices here remained stationary last week. There was a sustained interest in the market and the week's sales were estimated to have been within about 80 percent of the heavy sales of the preceding week. Prices continued at 5.85c. per pound at East St. Louis and 6c. to 6.05c. per pound, according to seller, at New York, the position established after the metal jumped up so sharply on December 21. The London market was watched closely, for it has been London that has been responsible for the steady upward march of lead values over the past several weeks.

Zinc was steady at the basis of 5.45c. per pound for the closing few days of last month and 5.55c. per pound for January 1 and for delivery in the first quarter of this year. There was a moderately active interest in the metal all week. The American Bureau of Metal Statistics estimate of world zinc production in November was corrected to 138,343 short tons against 142,697 tons in October and eleven months total of 1,477,919 tons.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from December 26 to January 1, inclusive, were as follows:—

	Pigs: Per pound — New York.	E. St. Louis.	Spot. London. Per ton — £	s.	d.
Saturday	$0.0600@.0605	$0.0585	..	..	..
Monday	.0600@.0605	.0585	28	5	0
Tuesday	.0600@.0605	.0585	28	13	9
Wednesday	.0600@.0605	.0585	28	3	9
Thursday	.0600@.0605	.0585	28	7	6
*Friday	.....@.....	.....	..	..	..

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from December 26 to January 1, inclusive, were as follows:—

	Slabs: Per pound — New York.	E. St. Louis.	Spot. London. Per ton — £	s.	d.
Saturday	$0.05825	$0.0545@.0555	..	..	..
Monday	.05825	.0545@.0555	19	5	0
Tuesday	.05825	.0545@.0555	19	18	9
Wednesday	.05825	.0545@.0555	19	15	0
Thursday	.05825	.0545@.0555	19	18	9
*Friday	.....	.....@.....	..	..	..

* Holiday.

Pigments

The advance in the price of white lead, which was named on December 23, took place January 1. As reported here a week ago, prices for lead carbonate, white and blue lead sulphate, and lead-in-oil were advanced. The rise in the pigments followed a sharp rise in pig lead on December 21. Last week's metallic lead market did not undergo price change and the derivative oxides were unchanged. Trade in pigments was quiet last week because of the holiday period. However, sellers expected a brisk revival of trade early in January.

White Lead.—The price advance which was made known December 23 took place January 1 as scheduled. Lead sulphate joined in the advance, marking the initial change in price for that article since 1933; lead carbonate had been advanced in November and was advanced last week. Prices for lead carbonate were as follows:—Car lots,

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

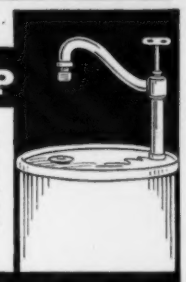
SUPERLITH XXX
THE SUPERIOR ZINC SULPHIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

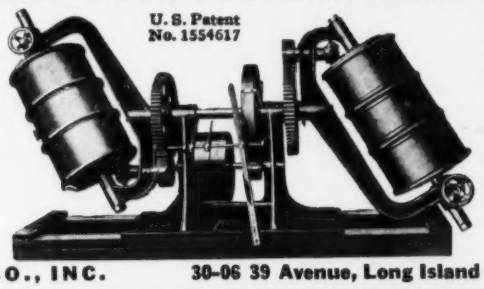
EARTH COLORS
INDIAN - TURKEY - VENETIAN.
OCHRE - SIENNA - UMBERS
JOSEPH A. McNULTY
114 Liberty Street New York

PLANT EQUIPMENT FOR
BODIED OILS • PRINTING INKS
ESTER GUMS • GUM RUNNING
VARNISHES
SOMMER SCHMIDDING WORKS: Duesseldorf
ALBERT H. BRUECKE 30 ROCKEFELLER PLAZA NEW YORK CITY

ASBESTINE
Reg. U. S. Pat. Off.
FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

STEARATES
ALUMINUM STEARATE CALCIUM STEARATE
MAGNESIUM STEARATE ZINC STEARATE
Stocks carried also at Chicago, St. Louis, San Francisco, Los Angeles, Kansas City, New Orleans, Des Moines
FRANKS CHEMICAL PRODUCTS CO.
Building No. 9, Bush Terminal BROOKLYN, N. Y.

.. for oils, alcohol, turpentine etc.
Kwart-Kwick BARREL PUMP

Stop juggling heavy barrels, messing up the floor, dirtying your hands and clothes . . wasting time and material . . use KWART KWICK BARREL PUMPS. Ideal for handling all liquids . . will fit any standard drum or barrel. Extra heavy, all-metal construction . . NO LEATHERS . . practically indestructable. A strictly quality product at a low price. Write Today for FREE Folder and Prices.
VIKING PUMP COMPANY, Cedar Falls, Iowa

A PATENT DRUM-CLEANING MACHINE
Let the "GYRO" clean your drums. Does the work thoroughly and in the shortest possible time.
Can be used also formixing dry or liquid materials, for coating the interior of barrels.and for polishing small articles. Built in three sizes, adjustable to all standardsised drums. Write for particulars.

U. S. Patent No. 1554617
F. AUE CO., INC. 30-06 39 Avenue, Long Island City, N. Y.

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee
DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of Coal Tar Products

delivered Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, 7½c. per pound; delivered elsewhere, 7¼c. per pound; less car lots, delivered Arizona, etc., 7¾c.; and delivered elsewhere 7½c. per pound. The prices for white lead sulphate and blue lead were as follows:—Car lots, delivered, Arizona, California, etc., 7c. per pound; car lots delivered elsewhere, 6½c. per pound; less car lots delivered Arizona, California, etc., 7¼c. per pound; and less car lots delivered elsewhere 6¾c. per pound. Imports of white lead into Argentina in 1935 were 130,228 kilos against 94,905 kilos in 1934, according to the Department of Commerce. The United Kingdom has always been the leading country of origin for the imports in Argentina, furnishing 93,202 kilos in 1935 and 63,179 kilos in 1934. Participation by the United States in the trade, now in second place, has been increasing over the past three years, the respective quantities being 12,925 kilos, 24,935 kilos, and 31,613 kilos.

Red Lead.—The metallic lead market held unchanged following its sharp advance December 21 and the prices for car lots and smaller quantities of the derivative oxides were also unchanged at the levels established on that date.

Lead Titanate.—As reported here a week ago, there has been no change in the price of this pigment, although the cost of lead has risen quite sharply during recent weeks.

Litharge.—The market held without further change last week, remaining at the price levels established December 21. There were three price advances in this commodity during December, the latest having been a boost of ½c. per pound.

Lithopone.—Calls for deliveries against contracts slowed down during the holiday period and while they were expected to continue light until after annual inventories have been taken, the market was expected to resume its recent activity early this month. The price schedule continued unchanged and steady at the levels that were placed in force November 2.

Orange Mineral.—The market held unchanged at the ½c. per pound rise that took place on December 21. The price of pig lead did not stir last week and current prices for this oxide were based at the price at which the metal now stands.

Titanium Pigment.—There has been no lull in trade during the holiday period and some producers reported that they were as busy as any other time, regardless of the season. A Department of Commerce report indicated that the increase in the consumption of titanium white for the manufacture of paint products in Japan has resulted in the formation of plans for the erection of another plant for the production of titanium dioxide in that country. The Japanese Government has authorized a company to erect a plant at Koroen, between Kobe and Osaka. It was reported that the new plant will have an initial capacity of 300 tons of titanium dioxide per month and the installations will comprise 79 units.

Zinc Oxide.—The market should show an early revival of activity. Many buyers had covered for their needs over the final three months of 1937 at lower prices than were available now and there should be additional replacement buying at this time.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Fillers and Extenders

Fillers, extenders and mineral whites passed a quiet week during the holiday period. Some of the orders received during the week were marked for 1937 delivery and the major portion of the regular consumers withheld ordering replacements or additional supplies until after the year and inventories had been taken. There were no changes in prices reported last week.

Barytes.—The market had the usual holiday appearances. Demands were light but the sellers expected an early revival of active trading. Prices for Missouri and Southern materials were unchanged. Importers did not advise of any change.

China Clay.—The suppliers have not reported any change in the prices. The demands have been fairly good during recent weeks.

Talc.—Although no changes in price have been reported, some of the producers of fibrous material indicated during the closing months of the old year that higher prices might be expected for 1937.

Dry Colors

The color market did not show much activity during the past week. Conditions surrounding this group of commodities were the same as in pigments and other departments. Buyers withheld purchases until after the annual inventories, but the market was expected to show revived life early this month. The price changes in French ocher, metallic brown, chrome oxide green and Persian Gulf red oxide, all of which were reported here previously, were the latest changes in the color market.

Carbon Black.—The minor price changes which were scheduled for the less than car lot schedule on standard grades took effect January 1. Less than car lot amounts in bags were now priced at 7c. per pound, f.o.b. sellers' warehouses; cartons were 7½c. per pound, delivered; and cases were 8½c. per pound, delivered. In such instances where l.c.l. deliveries in bags are made and acceptable to trucking companies, there is an additional charge of ½c. per pound to cover such delivery.

Chrome Yellow.—The market held at the price that was established in December. Commencing the new year with a firmly established price of 13c. for contract and 14c. for open order business, the market was in much firmer condition than at the outset of the year just ended.

Copper Phthalocyanin Blue.—As reported previously, the price for this new blue was named at $4.75 per pound for 100-pound barrel lots, f.o.b. seller's works with freight allowed.

Metallic Brown.—The market held in a steady position at the recent advance of $3 per ton. Bag lots were 2c. per pound or $40 per ton, and barrel quantities were 2.15c. per pound or $43 per ton, f.o.b. shipping points.

Ocher.—There has been no further change since the recent reduction in the price of all shades of French material. The market declined approximately ⅜c. per pound last month.

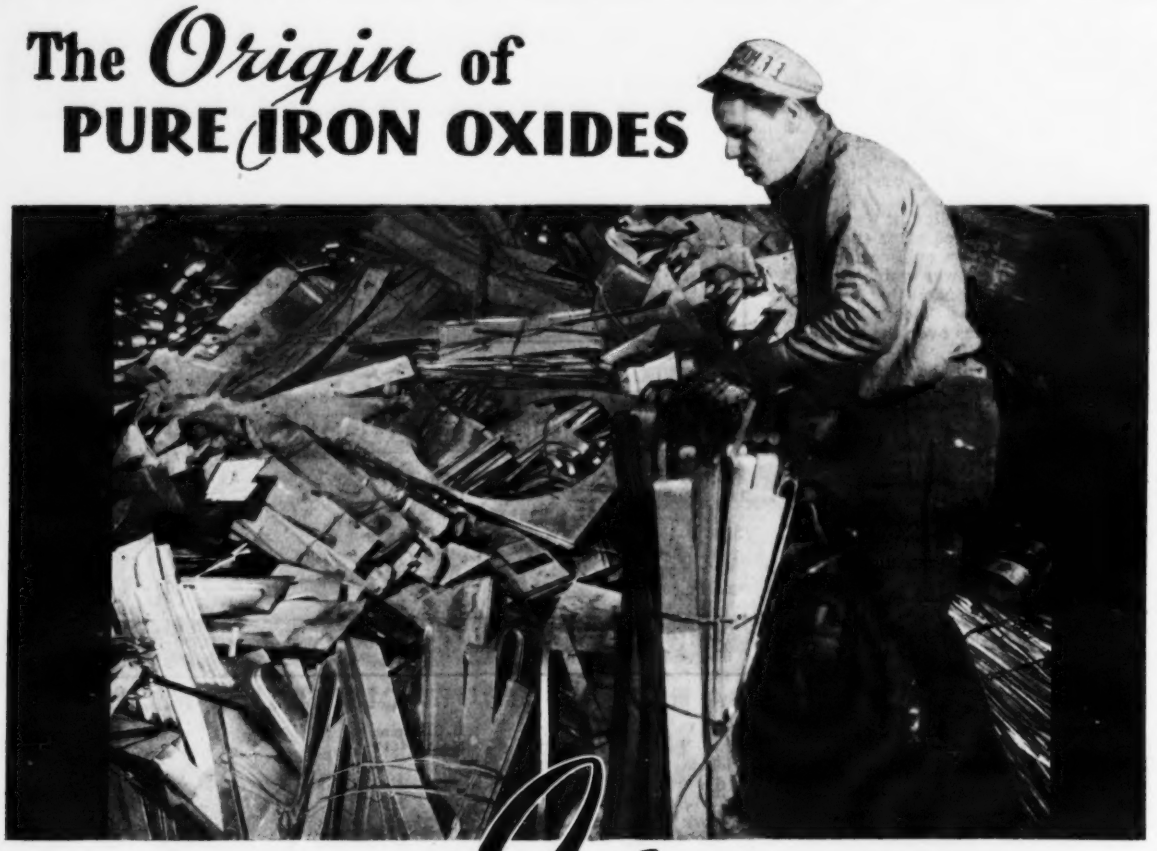
Persian Gulf Oxides.—The market continued at the recently reduced price level of 4¼c. per pound at Eastern shipping points and 4⅝c. per pound at warehouses in Chicago and St. Louis. Pacific Coast prices did not join in the reduction.

Varnish Gums

The continuation of the shipping strike forecast a serious situation insofar as forward supplies of natural gums were concerned. With additional vessels plying between the Far East and United States held in port by strike conditions, there was a likelihood of a widespread scarcity of stocks here within a few weeks' time, unless normal transportation facilities were resumed soon. Furthermore, the Far Eastern markets have been strengthened in price during recent weeks and when coupled with the crippled ocean shipping service, values may show considerable appreciation here in the coming weeks.

Copals.—The advances in some Loba grades of Manila and in Hiroe and Pontianak nubs, all of which were reported here a week ago, were well held during the past week. There were no further increase in prices on replacement goods. Primary markets were generally strong and market interests were concerned with the possibility of a shortage of goods here during the next several weeks.

The Origin of PURE IRON OXIDES



Iron

From such basic material come the characteristics of Permanence, Uniformity, Strength which identify all Mapico Colors. Soon, by chemical process these shapeless masses will be changed into pigments of Extreme Fineness and Smooth Texture—ideal for paints, enamels and lacquers.

PLANT
TRENTON, N. J.

MAGNETIC PIGMENT CO.
DIVISION COLUMBIAN CARBON CO
BINNEY & SMITH CO., *Sole Selling Agents*
41 East 42nd St., New York, N. Y.

MAPICO

MAPICO Colors
YELLOWS
BROWNS
REDS
BLACK

Dammars.—The advances that were made in the Batavia gum list a week ago were also firmly held last week. There were no further advances in the Batavia and Singapore gums during the past week. The demands of the market were quiet over the holiday period.

Synthetic Resins

As reported here a week ago, ester gum prices for the first quarter of the new year were established as follows:—75,000 pound contracts or car lots in single shipments, 10c. per pound; less car lots for 3,000 pound lots or over, 10¼c. per pound; and smaller quantities 10½c. per pound. These prices were 1¾c. per pound higher than those in force over the final part of the year just ended and the increase resulted from the higher cost of glycerin and rosin.

Naval Stores

A further contraction of business was noticeable in the local market for naval stores last week and advices from southern centers also reported quieter conditions. The falling off in demand for rosin was apparently due in some degree to the reactionary price tendency which recently developed, but it was also traceable to the usual disinclination on the part of consumers everywhere to add to their commitments at this period of the year when the work of inventory-taking is under way or about to begin. The extra holidays in southern markets also had the effect of making consumers of rosin, turpentine and other pine products inclined to pursue a waiting course in the matter of adding to inventories despite the rather bullish sentiment prevailing in local and southern selling quarters regarding the outlook for business and prices in the early days of the new year.

A development of interest was the announcement from Washington that a conservation program for the naval stores industry for 1937 will be offered to producers by the Department of Agriculture. The objectives of this program, worked out by the Agricultural Adjustment Administration and the Forest Service, will be the conservation of the timber land resources, the prevention of the uneconomic use and exploitation of such resources and fire protection of forests in the naval stores regions. No operation of trees less than nine inches in diameter breast high will be permitted in those turpentine stands which are in on the program. A series of regional meetings will be held some time in January. At these meetings the details of the program will be fully developed and instructions made available to interested producers.

In a survey of the world's naval stores industry for 1936, made by the Commerce Department's Chemical Division, it was stated that the Russian industry which celebrated its tenth anniversary in 1936, has expanded rapidly in recent years, and according to Soviet claims is the world's third largest, its output being exceeded only by the United States and France. The industry which is said to be employing 70,000 workers, is now supplying the entire domestic demand for both turpentine and rosin. Germany continued its efforts to establish a naval stores industry. Trade estimates of the production in France for 1936 put the turpentine output at 5,824,857 gallons, against 5,783,400 gallons in 1935, and that of rosin at 66,200 metric tons against 65,067 in 1935. In Portugal the entire industry was nationalized during the latter part of 1936 by government decree.

Turpentine. — Quieter conditions prevailed in the local market last week. There was nothing stimulating in advices from southern markets where business was suspended from Wednesday morning until today, and the inquiry in local circles was limited to small quantities to fill current needs. The work of inventory-taking is under way or about to begin and few in the trade here were disposed to look for any material change in the attitude of buyers until this work has been completed. Changes in prices in primary and local markets were moderate.

SAVANNAH, Jan. 1.—Business in turpentine was on a fair scale. Price changes were moderate. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Monday ...	42½	144	508	102	35,251
Tuesday ...	43	72	261	...	35,512
Wednesday..	43½	66	333	384	35,261
*Thursday..	..	...	...	...	.....
*Friday.....	..	...	...	...	.....

* Holiday.

JACKSONVILLE, Jan. 1.—The turpentine market had a steady or firm undertone although trade was rather quiet. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Monday ...	41½	...	463	1,410	42,887
Tuesday ...	41¾	...	76	3	42,960
Wednesday..	43¼	21	75	100	42,935
*Thursday..	..	...	...	...	.....
*Friday.....	..	...	...	...	.....

* Holiday.

PENSACOLA, Dec. 26.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	76	...	28,075
Wednesday	113	162	28,049
Thursday	95	227	27,217

CHICAGO, Dec. 31.—Tone of the turpentine market is holding about unchanged, although volume of business had tended to taper off to some extent recently, possibly as a reaction to the recently noted strengthening. Buyers are maintaining a fairly conservative purchasing attitude. Wholesale and retail trade is proceeding along routine lines. Ruling prices at the close of business last night were:—Five-drum lots, 53c. per gallon; five wood barrels, 58c.; single drums, 56c.; single barrels, 61c.

LONDON, Dec. 31.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Monday	43	9
Tuesday	43	9
Wednesday	43	9
Thursday	43	9

Stocks of American turpentine in London were:—

	Dec. 31.	Previous week.	Last year.
Barrels	23,170	23,170	12,219

Rosin.—On the eve of the year-end holidays, quiet conditions prevailed and the local situation lacked features of interest. As in the previous week, business in Southern centers was suspended from Wednesday morning until today. Prices showed irregularity, the changes generally being moderate. Offerings in primary markets were generally light and the undertone in the South was regarded as firm. Holders in the producing regions, where stocks are said to be materially smaller than a year ago, were reported as strong in their views as to the probable course of prices early in the new year.

SAVANNAH, Jan 1.—Changes in rosin quotations were within comparatively narrow limits. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	*Thurs.	*Fri.
B	....	$9.60	$9.55	$9.70	....	....
D	....	9.60	9.55	9.70	....	....
E	....	9.60	9.55	9.70	....	....
F	....	9.75	9.60	9.70	....	....
G	....	9.75	9.60	9.70	....	....
H	....	9.75	9.65	9.70	....	....
I	....	9.75	9.65	9.70	....	....
K	....	9.75	9.65	9.70	....	....
M	....	9.75	9.65	9.70	....	....
N	....	9.75	9.75	9.75	....	....
WG	....	9.75	9.75	9.75	....	....
WW	....	10.80	10.80	10.80	....	....
X	....	10.80	10.80	10.80	....	....
Barrels						
Sales	...	...	792	165	...	...
Receipts..	...	2,893	1,626	852	...	...
Shipments	...	873	977	4,927	...	...
Stocks ..	...	85,514	86,163	82,098	...	...

* Holiday.

JACKSONVILLE, Jan. 1.—Offerings of rosin were comparatively light much of the time and the market was quiet. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	*Thurs.	*Fri.
B	....	$9.50	$9.30	$9.65	....	....
D	....	9.50	9.35	9.65	....	....
E	....	9.50	9.40	9.65	....	....
F	....	9.50	9.50	9.70	....	....
G	....	9.50	9.50	9.70	....	....
H	....	9.50	9.50	9.70	....	....
I	....	9.50	9.50	9.75	....	....
K	....	9.50	9.50	9.75	....	....
M	....	9.50	9.50	9.80	....	....
N	....	9.50	9.50	9.80	....	....
WG	....	9.80	9.80	9.80	....	....
WW	....	10.80	10.80	10.80	....	....
X	....	10.80	10.80	10.80	....	....
Barrels						
Sales	...	...	...	50	...	...
Receipts..	...	2,558	858	443	...	...
Shipments	...	1,985	2	189	...	...
Stocks ..	...	72,465	73,321	73,575	...	...

* Holiday.

PENSACOLA, Dec. 26.—The rosin market was quiet as usual at this period of the year. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	359	...	507	352	...	...
Shipments	952	...	150	223	...	...
Stocks ..	33,542	...	34,128	34,257	...	...

CHICAGO, Dec. 31.—Rosin business has been a bit slow here recently, as buyers sit back to await developments, following the recent up-surge of quoted values. Accordingly, with some offerings, prices are now a little below recently attained extreme high marks. There is no great pressure to sell. Ruling prices at the close of business last night were:—B grade, $12.10 per lot of 280 pounds; G grade, $12.25; M grade, $12.25; W. W. grade, $13.30.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

★ ★

IMPERIAL COLORS

So EASY to get;
So HARD to equal!
Warehouses most everywhere.

★ ★

IMPERIAL PAPER AND COLOR CORPORATION

PIGMENT COLOR DIVISION

THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

General Offices: GLENS FALLS, N. Y.

Branch Offices and Warehouse Stocks:

Baltimore	Cleveland	Louisville	San Francisco
Boston	Dallas	New York City	Seattle
Chicago	Detroit	Philadelphia	St. Louis
Cincinnati	Los Angeles	Pittsburgh	Toronto

PERMANENT

COBALT BLUES AND VIOLETS

Manufactured at temperatures of over 2000° Fahrenheit, Harshaw Cobalt Blues and Violets are definitely inert to the actions of light, heat, acid and alkali. If you require permanency, try one of these Harshaw Colors—PFL, PF-30, PF-38, RU-51, Violet 65 and Purple 32.

THE HARSHAW CHEMICAL CO.

Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality Products Since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco. Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

LONDON, Dec. 31.—Quotations on American rosin were as follows:—

	Per cwt. in barrels Common.		W.W.	
	s.	d.	s.	d.
Monday	24	0	25	3
Tuesday	24	0	25	3
Wednesday	24	0	25	3
Thursday	24	0	25	3

Pine Oil.—The market remained in a firm position. There was a fair inquiry though as usual at the close of the year consumers were disinclined to purchase in advance of needs.

Pitch.—A firm tone continued to prevail in the absence of any marked change in conditions ruling in primary centers. Quotations were maintained at previous levels. There was a fairly active demand.

Rosin Oil.—Quotations were generally held by sellers at the levels prevailing at the end of the previous week, the tone of the market being firm. Business was on a moderate scale.

Tar.—The movement into local and outside consuming channels apparently held up well and the market continued to present a firm appearance.

Shellac

The spot market was very firm. Actual sales on prompt delivery account were few in number but most dealers and importers were busy caring for the business that called for deliveries early in the new year. The basic tone of the market was one of strength. However viewed, the foreign shellac markets were noted for real strength and when it is realized that shellac is almost the only basic raw material that has not advanced substantially in price during the past year, there seems to be some reason for the present opinion that values will work higher during the year ahead. At this writing, prices for shellac in London and Calcutta are but little higher than they were a year ago, while those quoted for bonedry on spot are actually substantially lower than they were a year ago. It is for these reasons that the local shellac trade declare that there is real room for price improvement during the coming year. London and Calcutta were marked by substantial price advances. Spot quotations on bone-dry were raised to 19½c. per pound; T.N. was up to 14c. to 14½c.; and superfine was 15c. to 15½c.

London, Dec. 31.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows (the quotations in United States currency represent prices here and include other handling charges):—

	December 31 Shillings. Cwt.	Cents. lb.	December 24 Shillings. Cwt.	Cents. lb.
March	58	12.6	54½	11.8
May	59	12.8	55½	12.1

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight March.	May.
December 24	54s 6d	55s 6d
*December 25	.. ..	.. ..
*December 26	.. ..	.. ..
December 28	55s ..	56s ..
December 29	55s ..	56s ..
December 30	57s ..	58s ..
December 31	58s ..	59s ..
*January 1	.. ..	.. ..

* Holiday.

Calcutta, Dec. 31.—Prices quoted on pure T.N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound Dec. 31.	Dec. 24.
January	13c.	12⅝c.

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
December 24	12⅝c
*December 25	.....
*December 26	.....
December 28	13c
December 29	13¼c
December 30	13¼c
December 31	13¼c
*January 1	.....

* Holiday.

Lacquer Materials

The market for lacquer materials continued irregular at the close of the year. Consideration for year-end inventories caused the highly irregular demand. At the same time sellers reported prices appeared steady to firm at the levels established for the first quarter of 1937. Butyl alcohol was a strong feature. Prices for tricresyl phosphate reflected the strength in the price position of the basic product. Reports from the automobile industry continued to tell of the labor difficulties in certain parts of the automobile industry; in fact, production last week was below the volume produced in the same period a year ago.

Acetone.—A fair demand was reported here. Prices continued firm.

Butyl Acetate.—Important developments were lacking, manufacturing consumers were ordering out for immediate wants only.

Butyl Alcohol.—This market continued to enjoy a broad demand. A firm tone was the outstanding feature.

Dibutyl Phthalate.—Nothing new developed in this direction, routine year-end shipments making up the call. Prices were firm.

Ethyl Acetate.—Usual buyers were ordering out conservative quantities, and prices retained a firm appearance.

Tricresyl Phosphate.—This market displayed a decidedly strong tone. Quotations were unchanged. The basic product continued in a strong price position.

Driers

Although the stearates were somewhat quiet during the holiday period, there was more than usual interest among buyers because of the strong position these commodities now occupied. Stearic acid costs were raised after the contracts for the current quarter of the year had been issued and the continually strong position of tallow and other fats has given these derivatives a very firm appearance.

Glues and Binders

Casein.—The market was firm in all directions at the highest prices that have prevailed in years. Sellers quoted car lots of 20-30 mesh at 19½c. per pound and 20c. per pound for similar quantities of the 80-100 mesh article. Argentine was quoted at the same figures, basic duty paid, and, there were no offerings of French in the market. Most observers of the market looked for a further rise in price before things go the other way. At any rate, there was no evidence of easiness in the market last week.

Glues.—The market held firmly at the recent advance of 1c. per pound for bone glues and 2c. per pound for hide glues. Stocks were not very large and the holders of some supplies were not anxious sellers, even at the advances of a week ago.

Johnson vs. Johnston Trademark Suit Ended

The equity suit of S. C. Johnson & Son, Inc., Racine, Wis., maker of "Johnson's Wax," against the R. F. Johnston Paint Company and William A. Dail, its receiver, Cincinnati, involving trademark rights to the names "Johnson's" and "Johnston's" on paints, varnishes, lacquers, wax, etc., was ended December 15 in the United States District Court for the Southern District of Ohio, Western Division.

By consent of the parties the Foy Paint Company and Associated Paint Stores, Inc., Cincinnati, were made party defendants, inasmuch as the Foy Paint Company is a recent purchaser of the assets of the R. F. Johnston Paint Company.

A consent decree was issued by Judge Robert R. Nevin enjoining the defendants from the use of the mark "Johnston's" on products other than paints and enamels. Damages, profits and costs were settled between the parties.

Prior to the entry of the final decree the Racine Company dismissed an appeal it had taken to the U. S. Circuit Court of Appeals for the Sixth Circuit from a former decree by Judge Nevin dismissing the bill for trademark infringement and unfair competition against the R. F. Johnston Paint Company and William A. Dail, its receiver.

Zinsser's Annual Sales Meeting

The annual sales meeting of the employees of William Zinsser & Co., manufacturer and importer of shellac, this city, was held in the headquarters of the company December 21 and 22. The men were welcomed by Messrs. William and Rudolph Zinsser, who reviewed the year's work and outlined the prospective plans for 1937. The meeting was brought to a close with a company dinner and theatre party.

No. 8 MIXER

The best built mixer in the market. Made in two sizes.

Write for Quotation

ARTHUR COLTON CO.

2624 E. Jefferson Avenue

DETROIT :: MICHIGAN

EASTMAN INDUSTRIAL CHEMICALS

Nitrocellulose Solutions

Hydroquinone

Cellulose Acetate Solutions

Silver Nitrate *C. P.*

Gallic Acid *U. S. P.*

Gallic Acid *Techn.*

Para-aminophenol

Para-aminophenol Oxalate

Para-aminophenol Hydrochloride

Ortho-aminophenol

Pyrogallic Acid *C. P.*

Lacquer and Artificial Leather Bases

●

Synthetic Organic Chemicals for Research

Information and quotations will be submitted on request

Eastman Kodak Co.

Chemical Sales Division • Rochester, N.Y.

MINERS REFINERS IMPORTERS

CLAYS INDUSTRIAL

We are in a position to furnish promptly an excellent grade of

White English China Clay

Powdered—packed in bags or barrels, and in any quantity.

Testing Samples Gladly Sent

United Clay Mines Corporation

Trenton *Dept. O* New Jersey

VIKING

Petroleum Solvents

PENTANE

HEXANE HEPTANE

PETROLEUM ETHER

LIGROIN BENZINE

LOW COST - HIGH QUALITY

Special Solvents for Specific Purposes

VIKING DISTRIBUTING CO.

K.V. BLDG., CHARLESTON, W.VA.

The UNIFORMITY of Staley's Soybean Oils assures the user of perfect results in his product. You can depend on Staley quality.

Staley's SOYBEAN OILS

A. E. STALEY MFG. CO. DECATUR ILL.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.

101 Beekman Street New York

Happy New Year

——An' say, Boss-Man, you'll have right smart of good luck this year if you use these here fine products.

NELIO

PURE GUM ROSIN AND TURPENTINE

Sunny South and American

- Dipentine
- Pine Tar
- Pine Oil
- Pine Tar Oils
- Destructively Distilled Wood Turpentine

ROSIN OILS

GUAI-A-PHENE

The effective anti-skinning, anti-oxidizing agent for paints and varnishes.

●

E. W. COLLEDGE,

General Sales Agent, Inc.

CHICAGO 1605 Kimball Bldg.

CLEVELAND 616 Guardian Bldg.

NEW YORK 300 Madison Ave.

SAN FRANCISCO 503 Market Street

Naval Stores Conserving Program Planned by U.S.

WASHINGTON, Dec. 28, 1936.

A conservation program for the naval stores industry for 1937 will be offered to producers, it was announced today by the U. S. Department of Agriculture. The objectives of this program, worked out by the Agricultural Adjustment Administration and the Forest Service, will be the conservation of timber land resources, the prevention of the uneconomic use and exploitation of timber land resources, and fire protection of forests in the naval stores region.

All turpentine farmers in the States of North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana and Texas will be given the opportunity to participate. No operation of trees less than nine inches in diameter breast high will be permitted in those turpentine stands which are in on the program. The program will be administered in the field by the Forest Service of the Department of Agriculture through the office of the regional forester, United States Forest Service, Glenn building, Atlanta, Georgia.

A series of regional meetings will be held at the principal naval stores ports, where details of the program will be explained.

Jefferson Lake Moving Sulphur Plant to Texas

The Jefferson Lake Oil Company of Louisiana is moving its sulphur mining plant from Barba, Louisiana, to Texas, at a point between Freeport and Brazoria, according to information received from Freeport.

The decision of the board of directors of the company was reached following the completion of seventeen test wells in the Texas area, which indicated concentration of high-grade sulphur in sufficient quantity to justify the erection of mining facilities. It is reported that the nature of the deposit also points to economical mining.

The company's Barba plant already has been dismantled and is now in process of being moved to the Texas field. It is estimated that it will take about three months to move and erect and otherwise get the plant in shape for operation, the official expectation being to have the field producing by April.

Drug Store Chain Sales Increased in November

Average daily sales of chain drug stores in November, 1936, were 1.0 percent higher than in November, 1935, according to a report of the Bureau of Foreign and Domestic Commerce, issued in a monthly series. Fountain sales showed the greatest gain, being 7.3 percent higher than a year ago. Tobacco sales decreased 3.6 percent. All other sales increased 0.3 percent over last year.

Without allowance for seasonal variation, November sales decreased 2.1 percent from sales of the preceding month. Fountain sales dropped 6.9 percent in the month; tobacco sales dropped 1.8 percent and all other sales 0.4 percent. The figures are based on reports for identical stores from 43 chain organizations. Store units represented were located in 33 states and the District of Columbia.

Chemical Salesmen Ass'n Holds Big Xmas Party

The fifteenth annual Christmas party of the Chemical Salesmen's Association was held at the Park Central hotel, this city, December 29. Approximately 250 members and guests were present, the largest attendance since 1929.

A dinner was served at 7 o'clock, followed by a floor show, the running time of which was two hours. At the business meeting of the association, a committee was appointed to nominate officers for 1937. This committee will meet within the next few weeks to choose the nominees. The committee is composed of Victor Williams, of the Monsanto Chemical Company; Walter Merrill, of Joseph Turner & Co.; Oscar Linn, of the Dow Chemical Company; William Barry, of the Mallinckrodt Chemical Works; S. Moody, of the Calco Chemical Company; Ira Vandewater, of R. W. Greeff & Co., and Richard Quortrup, of the Barrett Company.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
American I. G. Chemical Corp.	Com. A	..	$2.00	Dec. 29	Dec. 28
American I. G. Chemical Corp.	Com. A	Ext.	50c.	Dec. 29	Dec. 28
American I. G. Chemical Corp.	Com. B	..	20c.	Dec. 29	Dec. 28
American I. G. Chemical Corp.	Com. B	Spl.	5c.	Dec. 29	Dec. 28
Apex-Trinidad Oil Fields, Ltd.	.....	..	35%	.....	.....
Armour & Co. (Ill.)	Old 7% pfd.	..	$31.50	Jan. 15	Jan. 5
Atlantic Refining Co.	Pfd.	Q.	$1.00	Feb. 1	Jan. 5
Bandini Petroleum Co.	.....	..	1c.	Jan. 20	Dec. 31
Colon Development Co.	6% pfd	..	1½%	Dec. ..	.....
Colon Development Co.	5% pfd. A	..	1¼%	.....	.....
Coniagas Mines, Ltd.	.....	..	12½c.	Jan. 11	Dec. 31
Corn Products Refining Co.	Com.	Q.	75c.	Jan. 20	Jan. 4
Corn Products Refining Co.	Pfd.	Q.	$1.75	Jan. 15	Jan. 4
Crown Drug Co.	Com.	..	10c.	Jan. 11	Jan. 1
Cudahy Packing Co.	Com.	Q.	62½c.	Jan. 15	Jan. 5
Cunningham Drug Stores Co.	Com.	..	87½c.	Jan. 20	Jan. 5
Cunningham Drug Stores Co.	B pfd.	Q.	$1.50	Jan. 20	Jan. 5
Darby Petroleum Co.	Com.	S.	25c.	Jan. 15	Jan. 4
Dixon (Joseph) Crucible Co.	Com.	..	$2.00	Dec. 23	Dec. 21
Harbison-Walker Refractories Co.	Pfd.	Q.	$1.50	Jan. 20	Jan. 7
Hartol Products Corp.	.....	..	$4.00	Dec. 23	.....
Hilton Davis Chemical Co.	Pfd.	Q.	87½c.	Jan. 2	Dec. 31
Howey Gold Mines, Ltd.	.....	..	2c.	Feb. 1	Dec. 31
National Fuel Gas Co.	Com.	Q.	25c.	Jan. 15	Dec. 31
Paraffine Cos.	Pfd.	Q.	$1.00	Jan. 15	Dec. 31
Sheep Creek Gold Mines, Ltd.	.....	Q.	2c.	Jan. 15	Dec. 31
U.S. Smelting, Refining & Min. Co.	Com.	..	$2.00	Jan. 15	Dec. 31
U.S. Smelting, Refining & Min. Co.	Pfd.	Q.	87½c.	Jan. 15	Dec. 31
Weinberger Drug Stores Co.	Com.	Q.	30c.	Jan. 2	Dec. 24
West Coast Oil Co.	Pfd.	Q.	$1.00	Jan. 5	Dec. 28

U. S. and Italy Working Toward Reciprocal Pact

WASHINGTON, Dec. 29, 1936.

The new commercial treaty now being negotiated between the United States and Italy will make no reference to specific commodities, but will pave the way for completion of a reciprocal trade agreement between the two nations.

The present negotiations concern a general treaty of commerce, navigation and amity of a more or less standard pattern, and will replace a treaty which has been in existence since 1871. It will provide for most-favored-nation treatment, but will define such treatment in more detail than older treaties, dealing particularly with equal treatment in exchange control and import restrictions other than tariff duties.

Completion of such a treaty is expected to permit early revival of discussion of a reciprocal tariff agreement involving duty reductions on many commodities exchanged between Italy and the United States. Preliminary negotiations for such an agreement were started more than a year ago, but lapsed when Italy began her invasion of Ethiopia.

Gum Importers to Open Own Research Laboratory

The American Gum Importers' Association will open its own research laboratory to intensify the work that the association has been doing on natural gums during the past few years. The laboratory is now being equipped and is expected to be ready to function within a month. It is located at 360 Furman street, Brooklyn, and while the staff has not been selected as yet, Dr. C. L. Mantell, of Pratt Institute, will supervise the work.

At the recent annual meeting of the board of directors of the association, H. E. Hendrickson, of S. Winterbourne & Co., was re-elected president. Mr. Hendrickson was chosen to head the organization for the seventh successive time. O. G. Innes, of the O. G. Innes Corporation, was re-elected vice-president; and John Young, of the Gillespie-Rogers-Pyatt Company, was elected secretary-treasurer to succeed A. J. Wittenberg, of the Stroock & Wittenberg Corporation. The officers, together with A. Scharwachter, of the American Cyanamid & Chemical Corporation, and T. J. France, of France, Campbell & Darling, Inc., constitute the new board of directors.

Merkin Holds Sales Meeting

The M. J. Merkin Paint Company held its annual sales meeting in this city December 19. The group first visited the company's laboratories at Lyndhurst, N. J., where Edward Burger, vice-president and technical director, outlined the processes used in the manufacture of the company's products. At the sales meeting, presided over by Alexander Nadle, sales manager, Michael J. Merkin, president of the company, discussed the future and extended his appreciation to the group for its co-operation. The past year was described as the best in the history of the company, and 1937 was predicted as another banner year.

Philip I. Heuisler, president of the Emerson Drug Company, and an officer of the Maryland Glass Company, Baltimore, who died last August, left a personal estate of $208,354.

Gold Leaf Output: 1935

Production of gold leaf in the United States during the year 1935 was valued at $1,782,599, an increase of 27.2 percent over the figures for 1933, according to a summary released by the Bureau of the Census, compiled from data collected from the Biennial Census of Manufacturers taken this year. The number of wage earners employed in the industry in 1935 was 557, which was 8.4 percent lower than those for 1933, but the total wage payments last year amounted to $402,521, showing an increase over 1933 of 15.7 percent.

Comparative figures for the years 1935 and 1933 follow:—

	1935.	1933.
Number of establishments	27	31
*Wage earners (average for the year)	557	608
Wages	$402,521	$348,000
Cost of materials, containers, fuel, and purchased energy	$958,988	$683,757
Products, total value	$1,782,599	$1,401,556
Gold leaf (in packs of 500 sheets):—		
Number	86,123	95,859
Value	$1,187,571	$1,116,405
Gold leaf in rolls, sized and unsized, 100'x1":—		
Number	87,152	.....
Value	$344,378	.....
Imitation gold leaf in rolls, value	$232,677	$285,151
Aluminum, silver, and other leaf, and all other products	$17,973	.....
†Value added by manufacture	$823,611	$717,799

* Not including salaried officers and employees.

† Value of products less cost of materials, containers, fuel, and purchased electric energy.

Cleveland P.V.P.C. Opens 'Gaming' Club

The Cleveland Paint and Varnish Production Club, for its December gathering, held in the Chamber of Commerce rooms what it termed the first meeting of the "Menhaden Club."

About forty members and guests were presented, as they arrived, with novelty ash trays containing "$1,000 as a gambling stake" and a ticket for the grand drawing. Dice games, poker, roulette, horse-racing and marbles were participated in, and following the games there was a bountiful buffet supper.

Arthur Holton, of the Sherwin-Williams Company, and E. V. Ladd, of Densol Company, tied, and a cut of the cards gave Mr. Holton a turkey as first prize, and Mr. Ladd a goose. Harland Slife, of the Arco Company, won a chicken as third prize. Fred H. Palmer, jr., won a turkey on the drawing; Mr. Slife won the prize for the horse-racing; George Sohl, of the Resinous Products Company, and Kenneth Drake, of the Ferbert-Schorndorfer Company, won at marbles. The affair was put on by John Caldwell, of the Arco Company, as chairman of the entertainment committee.

Naphthol AS Made in Japan

The Hodogaya Soda Company, in collaboration with the Toriukagaku Kogyo Company, with plants near Yokohama, has succeeded in making high grade naphthol AS and is now ready to market the chemical, according to information received by the Department of Commerce from the assistant trade commissioner at Tokio. It is said that the Nippon Kasei Kogyo Company, also known by its older name, the Nippon Tar Company, is planning to manufacture this intermediate. The prediction is made that naphthol AS, heretofore imported from abroad at a volume of about 500,000 kin annually and about 98 percent from Germany, will be produced by the end of 1937 to an extent sufficient to meet all local demands and that thereafter export outlets will be investigated.

American Group Gets Afghan Oil Concession

The Inland Exploration Company, this city, has obtained a seventy-five-year oil concession opening 270,000 square miles of virgin territory in Afghanistan, according to despatches from London, and confirmed by John M. Lovejoy, president of the company and president of the Seaboard Oil Company. Ogden L. Mills, former Secretary of the Treasury, is one of the financiers interested in the Inland company, according to reports.

The concession, described as "probably the greatest untapped oil reserve in the world," was said to have been negotiated with the Afghan Government by Charles C. Hart, former American Minister to Albania and Iran, and Frederick G. Clapp, technical expert, of New York.

Conversations were held over a period of months in Kabul, Geneva and Berlin, where the agreement was signed by Mr. Hart, Mr. Clapp and Faiz Mohammed Khan, Afghan Minister of Foreign Affairs.

Diplomats in London said that when Mr. Hart retired as Minister to Iran in 1933, both the Afghan and Iranian Governments asked him to find capital for exploiting the Afghanistan oil reserves.

This he was able to do through the Inland Exploration Company, controlled by the Seaboard Oil Company, with Case, Pomeroy & Co. holding large interests. The Texas corporation is said to be interested through sizeable stockholding in the Seaboard Oil Company of Delaware, while the Fisher brothers of Detroit are also understood to be interested.

According to a reported understanding with the Afghan Government, the company binds itself to make every reasonable effort to build up production to 40,000,000 barrels after ten years.

The agreement also requires that the concession company be entirely American. A staff of engineers will be sent to explore the field and plan development work as soon as the Afghan National Assembly formally ratifies the agreement.

Patman Act Violation In Hat Sales Charged

(Continued from page 3)

the prices allowed Si Fish, Inc., and certain others, were lower than those it allowed to other customers competing with them. The effect, it is charged, was to lessen or to injure and destroy competition.

Under section 5 of the Federal Trade Commission act, the respondent company is charged with unfair competition through filling orders with hats of a lower grade and quality than its customers are led to believe they will receive following exhibition of samples and representations by salesmen and other agents at the time of soliciting such orders.

The respondent company is given twenty days from service of the complaint to file answer to the charges.

National Lead Company Branch Heads Retire

(Continued from page 5)

the St. Louis branch is J. A. Caselton, who is vice-president of the St. Louis Smelting & Refining Company. He is also general manager of the National Pigments & Chemical Company division of the National Lead Company and a director of the parent company. The new manager in Cleveland is J. L. Caruth, who became assistant manager of that branch a year ago. Mr. Caruth joined the Carter White Lead Company in 1923 as a salesman, traveling the Southern States. Six years later he was transferred to the Chicago branch of the National Lead Company, working out of the Detroit office.

Blackstrap Freight Rates Cut

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Delaware & Hudson railroad, on blackstrap molasses, including final molasses and refiners residual syrup, tank-cars; from Albany to Ithaca on the Delaware, Lackawanna & Western railroad, 16c. per hundredweight; present rates from Albany to various points on the Delaware, Lackawanna & Western railroad, established on final molasses and refiners residual syrup; reductions; effective January 23.

Oils, Fats and Waxes

Fats and Greases

(Continued from page 39)

has been fair. Tallows are moving out quite well, and on a firm to strong price basis. Buying lately has reached good totals.

The range of lard quotations from the opening Saturday, December 26, to the close Thursday, December 31, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$13.75	$14.15	$13.75	$14.15	$13.55
Jan.	13.75	14.17	13.75	14.17	13.65
May	14.20	14.59	14.15	14.55	14.05

TALLOWS (tierces).—Edible, 10¼c. to 10¼c. per pound; prime, 8¾c. to 9c.; fancy, 8¾c. to 9c.; special 8⅝c. to 8¾c.; No. 1, 8¾c. to 8½c.

GREASES (tierces).—Choice white, 9c. to 9¼c. per pound; A white, 9¼c. to 9⅜c.; B white, 8c. to 8½c.; yellow, 10-15, 7⅞c. to 8c.; yellow, 16-20, 7⅝c. to 7¾c.; brown, 7⅜c. to 7½c.

STEARINS (barrels).—Prime oleo, 10¾c. to 11c. per pound; packages, 13½c. to 13¼c.; A white grease, 8¼c. to 8½c.; yellow grease, 7¾c. to 8c.; extra oleo stocks, 12¾c. to 13c.; No. 2 stocks, 11½c. to 12c. (Oleo stocks in car lots.)

Liverpool, Dec. 31.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	January.	May.
	s. d.	s. d.	s. d.
Monday	71 0	62 9	62 9
Tuesday	71 6	63 9	64 0
Wednesday	71 0	63 3	63 3
Thursday	71 6	63 9	63 9

Liverpool, Dec. 31.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Monday	31 0	30 3
Tuesday	31 0	30 3
Wednesday	31 0	30 3
Thursday	31 0	30 3

Fatty Acids

Red Oil.—The market had a firmer tone but prices were without further quotable change. Business was of a conservative character as usual at this season.

Stearic Acid.—The strength of raw material was reflected in a very firm market for stearic acid. There was no change, however, in the selling schedules of producers. Trade was on a fair scale.

Markets at Other Centers

Chicago, Dec. 31.—Buying of fatty acids has been somewhat on the cautious and moderate side recently, with buyers taking out rather limited amounts of materials, in order to preserve to some extent a side-lines policy toward the market. Indications are, some sellers say, that buying may become more active and aggressive after the turn of the year. Prices, however, are having no special difficulty in maintaining their places recently attained. Tone, in fact, holds steady. Special cottonseed materials are firm. Stearic acids and red oils remain quiet.

FATTY ACIDS.—Corn oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., barrels, car lots; 8¼c. to 8½c., barrels, less than car lots; coconut oil, acidulated, 7c. to 7¼c., tankcar, partly nominal; 7½c. to 7¾c., barrels, car lots; 8c. to 8¼c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c., boiled down soap stock, 65 percent basis, 4¾c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 2⅞c.

STEARIC ACID.—Single press, distilled, 11c. to 12c. per pound; double press, 11½c. to 12½c.; triple press, 14¼c. to 15¼c.

RED OILS.—Distilled or saponified, drums, 10½c. to 11½c. per pound; barrels, 10⅝c. to 11⅝c.

Waxes

Bees.—The market ended the year in strong position. All primary markets supplying crude wax to this country were noted for high prices and low stocks. Inability to place substantial orders for bleachable wax in the several primary markets was one of the reasons why the spot prices for refined yellow and white bleached wax were at quite their strongest position for the entire year. Demand was very good and substantial quantities of refined and bleached wax will move into consuming channels after the turn of the year.

Candelilla.—The primary market continued to show strength and shippers at the source were not disposed to sell more wax at the prices last paid them. A substantial improvement in the general tone of the spot and primary markets was reported in all quarters.

Carnauba. — Demand for shipment material continued to be very good and the amount of business taken at the source during the past two weeks has been sufficient to create a stronger tone to prices for spot and shipment material. Sellers in local circles were somewhat reserved as the tendency of values to show improvement in all markets made dealers disposed to seek increase in their profits. The outlook for the early part of the new year was mainly for very firm markets in company with an upward tendency in all prices.

Japan.—Undertones were still strong, offerings of shipment wax was comparatively small and full prices were obtained in every instance where business resulted. Spot stocks were in strong hands and there was no trace of the price shading that in the past had kept this article highly unremunerative to dealers and importers.

Flaxseed for A-D-M Diverted by Spain

WASHINGTON, Dec. 30, 1936.

A cargo of flaxseed en route from Buenos Aires to New York on the Spanish freighter Motormas has been diverted to Vera Cruz, Mexico, on orders of the Spanish government, the Department of State was informed today by the charge d'affaires at Valencia, Spain.

The cargo is owned by the Archer-Daniels-Midland Company, Minneapolis, and was due at its plant in Edgewater, N. J., about December 27. The charge d'affaires reported that he was informed by the Spanish Ministry of Marine that the Motormas had been requisitioned by the government two weeks ago for war purposes but that the Spanish government guaranteed the safety of the cargo. It was not stated that any provision has been made for transshipment of the flaxseed.

The Department of State has notified the Spanish ambassador in Washington of its interest in the cargo but cannot go beyond that, it is said, since the Spanish government has a right to take over both the ship and cargo but is liable for a claim for the value of the cargo.

Refuse Palm Oil Buyer Must Pay Process Tax

WASHINGTON, Dec. 29, 1936.

The United States Court of Appeals for the District of Columbia has decided that a buyer of refuse palm oil is not entitled to an injunction against the Commissioner of Internal Revenue restraining him from assessing and collecting a processing tax on refuse oil where processing had not yet taken place. This question was decided in the case of Gardner vs. Helvering, Judge Groner presiding.

The plaintiff contended that the Commissioner's ruling that liability for the processing tax applied to refuse palm oil, obtained after its use in the manufacture of tin plates, made it impossible to procure a processing company equipped to split and distill the refuse oil, which the plaintiff had contracted to purchase.

The Court held that proper procedure would be for the plaintiff to pay the processing tax and then bring an action to recover the amount paid as being illegally assessed. Since this would be an adequate remedy at law, an equity suit to enjoin the original assessment of the tax would not be in order.

Oil-Handling Instructions Issued by Marine Bureau

The Bureau of Marine Inspection and Navigation of the Department of Commerce has published in a "Manual for the Safe Handling of Inflammable and Combustible Liquids" instructions for the guidance of tankermen, officers and unlicensed personnel on vessels where oils are used as fuel or lubricants, kept as stores, or carried as cargo. These instructions comprise information on the various kinds of oils, their grades, and their characteristics which relate to safety; information on the care of equipment and its proper use in regular and emergency operations; information on the emptying and cleaning of tanks, on the treatment of asphyxiation, on extinguishing oil fires. The manual also contains a series of one hundred questions on the handling of inflammable and combustible liquids in bulk or containers.

Oil Trades Dinner Set for Jan. 19

The quarterly meeting and dinner of the Oil Trades Association of New York will be held January 19 at the Waldorf-Astoria Hotel. Dinner will be served at 7 p. m. and will be followed by a vaudeville entertainment and a social gathering. The annual election for officers and directors of the association will be held March 23.

Margarin Manufacturing: Aug., Sept.

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in August-September, 1936, compare with August-September, 1935, as follows:—

	Pounds			
	August—		September—	
	1936.	1935.	1936.	1935.
Production of uncolored margarin	30,096,123	25,473,757	33,508,807	31,692,571
Production of colored margarin	254,999	319,120	202,620	162,620
Total production	30,351,122	25,792,877	33,711,427	31,855,191
Uncolored margarin withdrawn tax paid	30,827,535	25,266,061	32,888,208	31,126,581
Colored margarin withdrawn tax paid	44,792	27,444	57,811	33,018

Ingredients used in the production of colored and uncolored margarin in August-September, 1936, compare with August-September, 1935, as follows:—

In Uncolored Margarin

	Pounds			
	1936. August-September.		1935. August-September.	
Babassu oil	1,982,381	.....	1,166,155	.....
Coconut oil	11,610,249	12,984,632	13,862,608	16,692,150
Corn oil	178,568	.....	16,604	420
Cottonseed oil	7,587,542	6,360,634	9,056,016	6,695,288
Derivative of glycerin	98,938	72,391	103,776	89,704
Lecithin	1,617	1,918	1,838	2,128
Milk	5,782,316	5,281,504	6,308,397	6,465,826
Neutral lard	148,379	112,753	166,844	134,153
Oleo oil	1,551,864	822,141	1,404,982	1,214,369
Oleo stearin	292,301	232,739	309,302	240,770
Oleo stock	142,168	166,757	148,498	166,341
Palm oil	61,464	.....	136,825	.....
Palm kernel oil	274,748	.....	147,976	330,527
Peanut oil	316,966	218,374	390,268	343,452
Salt	1,481,501	1,356,199	1,661,762	1,640,870
Sesame oil	3,528	4,990	3,400	24,587
Soda benzoate	12,550	15,509	14,082	18,629
Soybean oil	766,660	73,973	775,065	185,328
Totals	32,293,740	27,704,514	35,675,268	34,247,587

In Colored Margarin

Babassu oil	2,743	.....	700	.....
Coconut oil	139,125	71,402	101,046	79,270
Color	243	336	162	127
Corn oil	16	.....	24,505	18,912
Cottonseed oil	20,817	42,235	237	111
Derivative of glycerin	280	392	.....	1
Milk	65,155	89,652	48,584	48,948
Neutral lard	4,134	1,993	4,727	6,267
Oleo oil	31,304	131,056	29,811	26,511
Oleo stearin	4,375	2,765	2,600	.....
Oleo stock	1,818	4,990	2,397	2,930
Palm oil	85	.....	561	.....
Peanut oil	5,297	379	268	230
Salt	18,358	16,740	15,353	11,006
Soda (benzoate of)	37	25	38	15
Soybean oil	764	.....	1,868	.....
Sunflower seed oil	.....	20,750	.....	2,750
Totals	294,551	382,712	232,857	197,078

Narcotics World Trade Records Are Issued

(Continued from page 3)

compare as follows, the quantities being expressed in kilograms:—

	Stock, beginning of year.	Manufactured.	Total supply.	Stock, end of year.	Apparent consumption.	Reported consumption.	Estimated necessary for use as such.
Morphine, unconverted—							
1935	7,508	9,104	16,612	8,016	8,596	7,945	9,021
1934	10,003	5,153	15,156	7,508	7,648	7,183	9,371
Diacetylmorphine—							
1935	847	674	1,521	743	778	760	1,103
1934	875	1,110	1,985	847	1,138	1,068	1,557
Cocaine—							
1935	2,989	3,971	6,960	3,052	3,908	3,445	4,990
1934	3,166	3,433	6,599	2,989	3,610	3,331	5,766
Dihydrohydroxycodeinone, dihydrocodeinone, dihydromorphinone, acetylhydrocodeinone—							
1935	390	377	767	404	363	314	604
1934	403	346	749	390	359	279	574
Codeine—							
1935	8,514	19,893	28,407	8,545	19,862	...	25,560
Ethylmorphine—							
1935	1,136	1,850	2,986	1,181	1,805	...	2,767

Commenting on its records the board said, in part:—

The estimates of the quantity of each drug necessary for use as such during 1935 are much closer to the quantities actually consumed than they were for 1934.

The board believes that the world consumption as calculated by the board (column 5) is nearer the truth than its figures in column 6.

The increased consumption of morphine is due to medical developments in the U. S. S. R. The consumption in that country increased by over 1,000 kilograms; but the consumption per million inhabitants (8.95 kilograms) is still lower than in many countries.

There was also a considerable rise in the consumption of morphine in Japan, which is no doubt due to the substitution of morphine for diacetylmorphine, the consumption of which decreased considerably.

Except in the case of the newer drugs, the stock in hand throughout the world at the end of 1935 was somewhat less than enough to meet one year's consumption and in the case of codeine, the stock was scarcely enough for one month's consumption.

Raw Opium.—The total quantity exported exceeds the total quantity imported by 79,299 kilograms. Of this quantity 73 tons are due to the differences between imports from Iran into the Straits Settlements and exports from Iran to the Straits Settlements. The Iranian government now reports that the 73 tons were actually shipped to Manchukuo, for which the board receives no statistics. A number of lesser discrepancies are still under investigation.

Coca Leaves.—The total quantity imported exceeds the total quantity exported by 248,568 kilograms. This is due to the fact that Bolivia and Peru have not furnished export returns.

Morphine.—The total quantity exported exceeds the total quantity imported by 130 kilograms. Of this amount 88 kilograms appear under the heading, "amounts too small to be shown separately." The net excess of exports over imports is therefore 42 kilograms. The quantities en route at the beginning and end of the year more than account for this difference. Nevertheless there are several discrepancies still under investigation by the board.

The international trade in diacetylmorphine has shrunk to such small dimensions that the board is of the opinion that it is no longer necessary to publish a distribution table for this drug.

Seizures (at customs borders).—Far fewer narcotic substances were seized in 1933 than in 1934. The only exceptions to this rule were cocaine and Indian hemp. No less than 7,060 kilograms of Indian hemp were seized as against 3,350 in 1934. The seizures of manufactured drugs were for the most part very small and if they could be accepted as a true measure of the extent of the illicit traffic the evil would appear to be almost overcome.

The board calculated the yield of morphine in the principal manufacturing countries, noting that different sources are used by different countries and that this calculation is very difficult and may not be absolutely correct:—

	Kilograms— Opium used. 1935.	Morphine obtained. 1935.	Yield (percentage). 1935.	1934.
Germany	51,964	6,254	12.03	12.11
Belgium	10,180	1,175	11.54	11.98
France	33,004	3,903	11.82	12.11
Hungary	151	20	13.24	13.38
Italy	5,248	619	11.79	10.42
Netherlands	4,872	495	10.16	10.29
Poland	2,851	339	11.89	13.63
United Kingdom	15,243	1,885	12.37	13.49
Sweden	1,997	166	8.31	10.01
Switzerland	14,361	1,546	10.76	12.92
Czechoslovakia	5,025	558	11.10	9.37
U. S. S. R.	41,076	3,179	7.74	8.88
Yugoslavia	3,500	404	11.54	13.82
United States	40,890	6,270	15.33	11.76
Japan	20,680	2,450	11.85	13.03
Kwantung	420	36	8.57	9.00

Robert P. Bonnie, secretary-treasurer of the Kentucky Color & Chemical Company, Louisville, has been elected president of the Associated Industries of Kentucky for a one-year term, to succeed Philip S. Tuley, former president of Louisville Textiles, Inc.

Oils, Fats and Waxes

Cottonseed Oil Futures Irregular Within Moderate Limits—Crude Firmer in South — Lard Higher — Tallow Offerings Light —Copra Up Again—Palm Oil Scarce and Strong

Quotations on miscellaneous vegetable, animal and fish oils, fats and greases continued in upward trend last week. There were fewer advances than in recent preceding weeks, but all branches of the market were still characterized by a decidedly firm tone despite some further contraction of business. On the eve of the year-end holidays, consumers were disposed to curtail purchases or hold aloof, especially as the work of inventory-taking was under way or about to begin. Offerings of many commodities were light throughout the week, this applying to both domestic and imported products.

Among the vegetable products, copra and coconut oil continued to display strength, the former rising to a new all-time high in London. Spot coconut oil was still scarce and nominal here. Olive oil remained in upward trend owing to scarcity of spot material and uncertainty concerning future supplies. Higher prices were quoted for palm and palmkernel oils. The strength of crude cottonseed oil in Southern markets was reflected in peanut and corn oils.

Lard displayed noteworthy strength on spot at times, the market being influenced by a rising trend in futures in the West, where speculation was active. Marketing of hogs showed a decrease. Sales of stearin were reported at an advance. Quotations on lard, neatsfoot and tallow oils were raised by producers owing to increased cost of basic material. Tallow was quiet, but offerings continued light and the market continued to present a firm appearance. Fish oils were generally well maintained.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copra, ¼c. per lb.
Corn oil, crude, ¼c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Grease, ⅛c. to ¼c. per lb.
Lard, 50c. to 75c. per 100 lbs.
Lard oil, 50c. to 75c. per 100 lbs.
Neatsfoot oil, 25c. to 50c. per 100 lbs.
Olive oil, 5c. to 10c. per gal.
Palm oil, Sumatra, shipment, ½c. per lb.
Palmkernel oil, shipment, ¼c. per lb.
Peanut oil, ⅛c. to ¼c. per lb.
Perilla oil, ¼c. per lb.
Stearin, ¼c. per lb.
Tallow oil, 37½c. per 100 lbs.

Reduced

Chinawood oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.6	**151.4**	**141.6**	**144.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Quiet conditions prevailed in domestic centers last week in the absence of anything very stimulating in the way of market developments abroad. Price movements at Hankow were narrow, the tone there being firmer early in the week and somewhat easier later on. Offerings in the local market were light much of the time, importers still being inclined to adhere to a conservative attitude pending further developments abroad as well as in domestic markets for other commodities. Late in the week quotations here were slightly below the prices ruling at the close of the previous period so far as futures were concerned. Spot and nearby oil was still largely nominal. Buying interest was limited throughout the week, as usual at this season, when the work of inventory taking is under way or about to begin.

Coconut.—The principal development was a further advance in copra in the London market to a new all-time high of £23 per ton. The market here for crude oil was quiet. With the inventory-taking period at hand and with prices abnormally high, consumers were inclined to hold off and await new developments in the situation. The tone of the market continued firm. Spot oil was scarce and under the control of resellers who were as firm as ever in their views as to values. Offerings of futures continued light. Edible oil ruled firm at recently advanced prices. There was a fair inquiry though consumers showed little disposition to purchase in advance of immediate needs.

Corn.—A firm tone continued to prevail in the market for crude oil. Spot material was still scarce and the markets for other oils remained firm. Buying interest was light, consumers being inclined as usual at this period to hold off. The inquiry for refined oil was fairly active and the market retained a firm tone. Quotations were largely nominal.

Olive.—Denatured oil was still scarce on spot and offerings of futures were reported as light. In such circumstances the market retained a very firm tone and quotations were advanced 5c. per gallon, the prices still being merely nominal. Quotations on edible oil were also nominal at an advance of 10c. per gallon. Foots met with a fair inquiry in a jobbing way and the market retained a firm tone.

Palm.—The market remained in a firm position. Supplies here appeared to be small and the situation abroad was reported as similar in this respect. For Niger on spot in casks 6½c. per pound was a nominal quotation. Sumatra for April forward shipment was quoted at 6½c. per pound in bulk. Imported palm kernel oil was higher at 8.30c. per pound for bulk shipment, this figure apparently being nominal.

Peanut.—Crude was firmer in the South, quotations being ⅛c. to ¼c. per pound higher owing to the strength of other oils, the figures being largely nominal.

Perilla.—There was a somewhat better inquiry and the market had a firmer tone. For oil in drums, quotations were ¼c. per pound higher and supplies appeared to be light at the advance.

Rapeseed.—A firm tone continued to prevail, quotations on spot ranging from 82c. per gallon upward. Supplies available for prompt delivery appeared to be small and offerings for shipment from abroad were light. Exports of seed from India to the United Kingdom and the Continent from January 1 to December 18 were 30,700 tons against 11,300 tons in the same time in the previous year.

Soybean.—The crude situation remained firm although no further change was announced in quotations. There were reports of some increase in buying interest though as usual at this period of the year consumers were not disposed to provide for future needs.

Markets at Other Centers

Chicago, Dec. 31.—Most of the principal grades of vegetable oils have been putting in a comparatively quiet period prior to the turn of the year. Holiday buying has been limited to the more pressing and immediate needs of the purchasers, and immediate shipment of limited quantities is desired by quite a number of them. Coconut business has shown a tendency to reach fair proportions with prices strong to fractionally higher. Corn is bought at about unchanged price levels. Chinawood is available at steady prices. Soybean interest is fairly steady. Peanut oil is moving fairly well.

COCONUT.—Crude oil, 8¾c. to 9c. per pound, prompt shipment; 8¼c. to 8½c., deferred, Coast basis. Refined, edible oil, 13¾c. to 14c. per pound, drums, car lots; and 14½c. to 15c., drums, less than car lots.

CORN.—Crude, low acid, 10c. to 10⅛c. per pound, tanks, mills, partly nominal. Refined, edible oil, 12¾c. to 13c., drums, car lots; and 13¼c. to 13½c., drums, less than car lots.

CHINAWOOD.—Ruling spot, drums, 15⅜c. to 15½c. per pound; futures, 14⅜c. to 14½c.

SOYBEAN.—Crude, deferred shipment, 9⅜c. to 9½c. per pound, mills.

PEANUT.—Crude, 10⅛c. to 10¼c. per pound.

Chicago, Dec. 31.—Range for spot soybeans for the week ended December 29:—No. 2, yellow, high, $1.55¼; low, $1.49½.

London, Dec. 23.—Soybean oil, British crude, 35s. 3d. per hundredweight; palm kernel oil, refined, 43s. 6d. per hundredweight; rapeseed oil, crude extracted, 35s. 6d. per hundredweight; coconut oil, Ceylon, 35s. 9d. per hundredweight; peanut oil, Bombay, crude, 33s. 9d. per hundredweight.

SAN FRANCISCO, Dec. 29.—Business in vegetable oils lagged last week while the maritime strike continued to add to the general state of confusion and uncertainty. Prices for spot and nearby materials were mostly in a nominal state with offerings in these positions practically absent. On the whole, the market retained a firm tone. What appeared to be the major feature of interest during the period was the reported sale of perilla oil for shipment from Japan—probably the first in this market since the application of the 4½-cent duty

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

TRADE ELAINE MARK
The best Oil for Wool, Lubricating and Screw Cutting Compounds, etc.
STEARIC ACID
Single, Double and Triple Pressed—Cakes and Powdered and Flakes
Established 1840
EMERY INDUSTRIES, Inc.
Formerly THE EMERY CANDLE CO.
CINCINNATI, OHIO
New York Office, 2116 Woolworth Bldg.
Telephone Cortlandt 7-1742-1743

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed IVORY BRAND
RED OIL (OLEIC ACID)
RUBY OLEINE BRAND (distilled)
STAR BRAND (saponified)
CANARY BRAND (very pale yellow, especially suitable for best types of dry cleaners' soaps.)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yopps, Robinsons, Bentleys, A. B. C. 5th Edition

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

MYRISTIC ACID
DOUBLE DISTILLED

IDEAL BASE
For Highest Quality SOAP
Why?—Excellent in Lather, Deterging Power—Non-Oxidizing. No Harsh Effect on the Skin.

NOW AVAILABLE IN ANY QUANTITY
Saponification No. 240-246
Iodine Value - - 7-13
Titer - - - 42-46
WOBURN
DEGREASING CO. OF N. J.
HARRISON, N. J.

Stearic Acid
for all purposes
RED OIL ••• GLYCERINE ••• CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U. S. A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
Chicago Sales Office • 4103 So. La Salle St., • Chicago, Ill.

invoked last August under the provisions of the Government Revenue Bill. The material moved at figures close to what the oil was formerly being held for here on the spot. There is no spot perilla oil available here now.

Ruling prices are:—

BABASSU.—Strictly nominal in the absence of offerings. Quoted at 10½c. per pound in tankcars, f.o.b. mill, Pacific Coast, February/March shipment.

COCONUT.—Spot market continues bare, with the entire situation nominal. Last known sales named on basis for forward shipment at 8⅜c. per pound in tankcars, f.o.b. Pacific Coast.

CHINAWOOD.—Steady. December/January oil quoted at 14½c. per pound in tankcars, f.o.b. Pacific Coast. March forward was 13¼c.

COPRA.—This was steady all of last week, the market being supported by the strong position of coconut oil and other fats. Buying, however, was limited on the Pacific Coast, largely owing to the shipping strike and its consequences. One quarter of the trade here reported a mild buying activity for future delivery at 5.20c. per pound, c.i.f. Pacific Coast ports. Otherwise the market was inactive. Considerable tonnage is piled up in ships' holds in the Bay here, waiting to be unloaded. Strike conditions prevent.

COTTONSEED.—Semi-refined foreign cottonseed oil is quoted as follows:—Brazilian, 10.80c. per pound, duty paid in tankcars, f.o.b. Pacific Coast; Japanese, 11c. per pound, December/February shipment from the Orient.

PERILLA.—Spot market is bare. For forward shipment from Japan, sales were reported last week on a basis close to 10½c. per pound in tankcars, f.o.b. Pacific Coast, February/March shipment from the Orient.

HEMPSEED.—Nominal.

RAPESEED.—Nominal.

TEASEED.—Nominal, at 11c. per pound in drums, c.i.f. Pacific Coast ports for January/March shipment from the Orient.

SESAME SEED.—Crude sesame seed oil is quoted at 10½c. per pound, nominally, in tankcars, f.o.b. mill, Pacific Coast.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CHLOROPHYLL
BETA CAROTENE XANTHOPHYLL
ALL GRADES AVAILABLE
AMERICAN CHLOROPHYLL, Inc., 570 Lexington Ave., New York - Alexandria, Va.

E. De HAEN'S PREPARATIONS FIXANAL
for Standard Solutions
At leading Laboratory Supply Houses
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

OILS
CHINA WOOD OIL
SARDINE OIL
VARNISH GUMS
SPOT FUTURE
L.N. JACKSON & CO. Inc.
29 BROADWAY NEW YORK, N.Y.

SEITZ FILTERS
More than 100,000 are working either on
CLARIFICATION or COLD STERILIZATION
of all kinds of liquids.
AMERICAN SEITZ FILTER CORPORATION
Offices: 31 Union Square, New York City *Factory:* Paterson, N. J.
SAN FRANCISCO • SEATTLE • CHICAGO • TORONTO, CAN.

SUPERIOR WHITE DISTILLED FATTY ACIDS
LINSEED, SOYABEAN, CORN, COCONUT OIL
WHITE OLEINE
WECOLINE PRODUCTS INC. *FIFTEEN EAST 26th ST. NEW YORK CITY*

Prompt Delivery — Drums, Barrels Or Tank Cars

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

FALKOVAR YY
This is a new oil, low in price and high in quality, which is finding excellent application in Red Oxide Paint, Tinners Red, Freight Car and Maintenance Paints, as well as a base for Tints.
Samples and descriptive literature sent upon request
FALK QUALITY SINCE 1910 PRODUCTS
FALK & COMPANY
PITTSBURGH, PA.

Linseed Oil

Price movements in domestic and foreign markets for flaxseed futures were generally moderate. Linseed oil quiet and steady. Cake and meal nominal.

Flaxseed—DULUTH, Dec. 31.—A firmer tone was apparent in the Duluth flax market in post-Christmas sessions, but little actual trading accompanied a higher level of prices. A firming factor early this week were reports of heavy widespread rains in harvest sections of Argentina, though the Argentine government over the week-end placed the flaxseed surplus for 1937 at 65,787,000 bushels. Heavier movement of new crop seed was looked for in Argentina as cutting operations move southward. Continued lack of heavy snows in the domestic Northwest worried the trade in respect to crop prospects next Spring. Local cash business continued quiet, with receipts at a minimum.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$2.29	$2.19	$2.18
Monday	2.29½	2.19½	2.18½
Tuesday	2.29¼	2.20½	2.19¼
Wednesday	2.30¾	2.21¾	2.20¾
Thursday	2.32½	2.23½	2.22½

Crop movement in bushels follows:—

	Receipts		Shipments	
	1936.	1935.	1936.	1935.
This week..	.....	231	3,021	....
Since Aug. 1	1,332,527	3,527,267	910,358	2,399,187

MINNEAPOLIS, Dec. 31.—A very good demand for cash flax prevailed in the local market during the week and daily offers were picked up readily. Local crushers took care of the country movement as there was no call from Duluth for anything. Argentine seed accumulated at that point has been well shipped and no fresh cargoes are expected because of the close of navigation. So far none of the New Orleans supply, or prospective supply, has moved to Minneapolis. The way has been paved for rail shipment to this market.

Country movement in the northwest is very limited and receipts are coming from a wide territory. Average quality of daily receipts is rather poor and buyers are competing more sharply for the medium types. Although prices have not gained for top quality those quoted for next to best advanced during the week.

Local public elevator stocks increased 25,000 bushels in three days, partly due to the fact that delivered seed was moved from one elevator to another. Deliveries are over with and the total for the month was 72,000 bushels. One crusher delivered and another took the tenders.

Competition for domestic flax is stronger on account of Argentine rains and the seizure of a cargo of seed on the way from that country to the eastern mill of a local crusher.

Trade in futures picked up quite a bit and there was better sepculative buying of May futures. Crushers bought on setbacks and commission house finally took the market away from them.

Spot No. 1 seed quoted at May price to 13c. over, mostly 10c. to 13c. over. Only the poorest type of thin Minnesota and South Dakota sells near the bottom.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$2.30½	$2.23½	$2.20½
Monday	2.33½	2.23½	2.20½
Tuesday	2.35½	2.25½	2.22½
Wednesday	2.37	2.27½	2.24½
Thursday	2.37	2.27	2.24

Crop movement in bushels as follows:—

	Receipts		Shipments	
	1936.	1935.	1936.	1935.
This week..	39,520	61,450	....	23,860
Since Sept. 1	1,671,070	6,738,390	322,070	740,050

WINNIPEG, Jan. 1.—Trading in flaxseed futures was quiet and demand for cash seed was also slow. The week's closing range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.70	$1.70	$1.69½
Monday	1.72½	1.72½	1.74⅛
Tuesday	1.72½	1.72½	1.74¼
Wednesday	1.73⅝	1.73⅝	1.74⅞
Thursday	1.71¼	1.72	1.73¼

BUENOS AIRES, Dec. 31.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	$1.19¾	$1.20⅞
Monday	1.20¼	1.21½
Tuesday	1.20⅞	1.21¼
Wednesday	1.20⅝	*..
Thursday	1.20½	1.22¼

* Holiday.

INDIA.—Exports of flaxseed from India last week were as follows:—

	Bushels		
To—	Last week.	Previous week.	Last year.
United Kingdom..	12,000	280,000	28,000
Continent	32,000	8,000	.....
Others	12,000	176,000	.....
Totals	56,000	464,000	28,000

	Bushels	
Since April 1—	This year.	Last year.
United Kingdom.....	8,268,000	2,928,000
Continent	868,000	612,000
Others	612,000	824,000
Totals	9,748,000	4,364,000

HULL, Dec. 31.—Quotations on flaxseed were:—

	Per ton	
	La Plata.	Bombay.
Monday	£12⅛	£15⅛
Monday	12⅛	15⅛
Wednesday	12⅛	15⅛
Thursday	12⅛	15⅛

Linseed Oil.—Changes in flaxseed quotations in foreign and domestic markets were within moderate limits last week and linseed oil ruled steady, previous selling schedules generally being adhered to by crushers. At the close of the period quotations on tankcars ranged from 9.5c. to 9.7c. per pound, according to seller. It was intimated that the outside figure could be shaded by about 2 points on a bid, but there was little disposition among sellers to push matters, in view of the strength displayed by various other vegetable products.

As usual at the close of the year, new business was quiet. The work of inventory taking was under way or about to begin, and consumers were inclined to hold aloof. Withdrawals held up, however, and there was a steady movement into local and outside consuming channels, leaving supplies unusually small for this period of the year.

Demand for cash seed was good in Northwestern markets, and premiums over futures were well maintained. Receipts at terminal points were light, and unfavorable reports were heard concerning the quality of the arrivals. All offerings were well absorbed by crushers, and there appeared to be some apprehension among buyers over rains in Argentina and the seizure by the Spanish Government of a Spanish vessel which was afloat for this country with a large cargo of flaxseed, although it was reported that the cargo would be diverted to Vera Cruz, and that the only result of the seizure would be delay in the arrival of the seed in this country.

As to the Argentina crop situation, it was contended by some that a contniuation of the rains recently reported, in addition to delaying the work of harvesting now in progress, might also result in injury to the quality of the crop. Shipments of flaxseed from India to all destinations last week were 56,000 bushels, making a total since April 1 of 9,748,000 bushels, against 4,364,000 bushels in the same time last year.

Receipts of flaxseed at New York last week were 294,160 bushels.

MINNEAPOLIS, Dec. 31.—A holiday lull finally came to the linseed oil market and trade currently is slack. There is little stuff moving right along but no important contracts are being entered into. Interest continues good owing to wet weather conditions in Argentina. Buyers are loath to follow advances and do not react quickly when oil values ascend.

Although crushers report a quiet market at the same time business is fair for this particular time of the year. Shipping instructions are just fair, showing something of a holiday slump in spite of the fact that consumers showed less anxiety over inventories than usual. Presses were closed down last Wednesday night and few have resumed operations since. There will be very little production until after the turn of the year.

Quotations on carload lots, f.o.b. Minneapolis, cooperage car lots, 10.5c. per pound; tankcar lots, 9.9c. per pound; warehouse lots, 10.9c. per pound.

Shipments of oil in pounds were as follows:—

	1936.	1935.
This week.....	945,940	1,229,440
Since Sept. 1.....	18,493,981	35,381,453

CHICAGO, Dec. 31.—Sellers of linseed oil have reported little difference in market conditions recently in comparison with conditions ruling of late. The tone at the moment is hardly so strong as it was early in December, and prices have receded slightly. Buying has been of moderate proportions here. Interest seems to be at a fairly good point, but there are few features to the market. Ruling prices of representative sellers are:—Tankcar, 9.7c. per pound; car lots, 10.3c.; warehouse deliveries, five drums, 10.7c.

LONDON, Dec. 31.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Monday	28	0
Tuesday	27	10½
Wednesday	28	0
Thursday	28	0

Cake and Meal.—A firm tone continued to prevail, although the market was rather quiet so far as new business was concerned, the principal activity of the week being against unfilled contracts. Production has been moving out steadily for some time past and at the close of last week the market appeared to be bare of spot supplies. Quotations were nominal.

MINNEAPOLIS, Dec. 31.—Very little is doing in the linseed meal market at the moment. Buyers want supplies but refuse to compete for them at prices quoted. Offers are light with re-sellers furnishing everything currently. Shipping instructions are fair to good and crushers still are very much behind in caring for them. Millers and mixed car feeders continue to take supplies to fill out their car lots of mixed grades of feed.

Quotations on carload lots, f.o.b. Minneapolis, 34 percent protein, $48 to $49 per ton.

Shipments of meal in pounds were as follows:—

	1936.	1935.
This week	1.424.490	5.141.738
Since Sept. 1	37,340,247	64,777,994

CHICAGO, Dec. 31.—Weather has been slightly against the linseed meal market lately, but sellers seem to have had little difficulty in disposing of all the material they wish to sell, anyhow. Feeders are not requiring quite so much material on an immediate basis, but the flow of business continues good, nevertheless. Crushers have little to offer. Resellers are selling a certain amount of material. Round lot business continues limited. Ruling prices are:—Round lots, $49.50 per ton, largely nominal; car lots, $49.50 to $50; less than car lots, $51.50 to $52.

San Francisco, Dec. 30.—The trade here registered a generally quiet week in linseed oil. Contract withdrawals continued to show up in a good light and there was a good interest shown for spot oil, but in small lots only. Some sources of supply are unable to offer out any prompt material. Insofar as tankcars are concerned, the trade has already taken out a fair share of its needs for the first half of the coming year. Quoted:—Tankcars, 10.2c. per pound; drum, car lots, ex mill, 10.4c.; drum lots, ex warehouse, 11.2c.

Cottonseed Oil

The market here for refined cottonseed oil futures was irregular, changes generally being within moderate limits. Crude oil was reported as firm in all parts of the south.

Cottonseed Oil. — The market for refined cottonseed oil futures was quieter last week. Some further contraction was noticeable in the volume of commission house business. Local traders in some instances were also disposed to curtail operations on the eve of the New Year holidays. Prices showed irregularity. Changes were generally within moderate limits, however, and to some the market seemed to display a firm undertone much of the time. Liquidation was noticeable on advances for account of local and outside longs and there was more or less hedge selling. There was apparently little disposition, however, to take the aggressive on the short side, especially as outside markets displayed considerable strength.

The trend of lard futures was strongly upward at times in Chicago where speculation was active with prevailing sentiment apparently more bullish than was recently the case. Spot tallow ruled firm. The last transactions reported in that commodity were at 8½c. per pound for extra delivered but reports were current to the effect that sellers were disinclined to accept further business except at a considerably higher figure. The market for tallow futures also continued to be featured by light offerings and what some regarded as a firm undertone. At one time March tallow sold at 9c. and May at 9.25c.

Crude cottonseed oil was firm in all parts of the South. There were occasional reports of sales at 10⅛c. to 10¼c. per pound in the Southeast and the Valley and late in the week only small quantities were said to be available at the outside figure. Reports continued to be heard to the effect that most mills were sold well ahead. Unsold supplies of seed were reported as light and held for high prices. Vegetable and animal products which compete with cottonseed oil were generally firm or higher with supplies unusually small in many instances. Copra advanced in London to £23 per ton, a new all-time high. Coconut oil was still decidedly scarce in domestic markets so far as spot supplies were concerned, and there was little disposition among sellers to seek much new business in futures. Palm and palmkernel oils were higher abroad and here.

There were reports of a further increase in the export inquiry for lard. Shipments of that commodity from Chicago on some days of the week were larger than the receipts. Exports of lard from Atlantic and Gulf ports from November 1 to December 26 were 22,111,399 pounds against 15,929,546 pounds in the same time last year. The movement of hogs to some Western markets was on a smaller scale than recently though still larger than at this time last year. The average weight of the hogs received in Chicago during the week ended December 26 was 224 pounds against 227 pounds in the previous week.

Following is a record of the market for bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from December 28 to December 31, inclusive:—

	Cents per lb. in tanks. High.	Low.	Close.	Sales. Tanks.
January	11.63	11.32	11.50@11.55	13
February	...	...	11.55 nom.	..
March	11.62	11.46	11.59 sale	141
April	...	...	11.65 nom.	..
May	11.75	11.59	11.72 sale	292
June	...	...	11.73 nom.	..
July	11.78	11.62	11.76@11.77	267
August	...	...	11.78 nom.	..
Total sales (38 switches)				751

Crude, Southeast, 10.25c. nom.
Valley, 10.25c. nom.
Texas, 10.00c. nom.

Chicago, Dec. 31.—A market of quiet strength has been reported in cottonseed oil here recently. Price changes have been few, and of small significance. Movement of material to buyers has assumed no extraordinary momentum, but there seems to be a fair amount of interest on the part of buyers. Reports from crop centers are being closely watched. Good, off-Summer, yellow fig oil is 11½c. per pound. Refined, edible oil is quoted at 11¾c., barrels, car lots; and 12¼c., barrels, less than car lots.

Hull, Dec. 31.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Monday	34	0	31	6
Tuesday	34	0	31	0
Wednesday	34	0	31	0
Thursday	34	0	31	0

Cake and Meal.—Quieter conditions were reported in Southern markets so far as new business was concerned, the principal activity being against unfilled contracts. The prevailing tone for spot material, however, was firm. Offerings were light and quotations were well maintained.

Markets at Other Centers

Atlanta, Dec. 29. — Among cottonseed products oil is stronger, prime crude being up half a cent per pound during the past few days. Seed has advanced in the interior Southeast. Meal is steady, likewise hulls.

The market is dull during the holiday season.

Quotations of this market are as follows:—

OIL.—Prime crude, 10¼c. per pound.

MEAL.—7 percent grade, $32 per ton, interior mill points.

HULLS.—Loose, $14.50 per ton.

SEED.—$42 per ton, interior shipping points.

Memphis, Dec. 31.—Business in crude oil was light during the past week. The last transactions were at 10¼c. Buyers and sellers are more or less indifferent. Mills are mostly sold far ahead against seed holdings. Most buyers are apparently comfortably fixed for the time being. December cottonseed meal futures made a new high for the season, advancing on December 28 on the option board to $36, and the final close outs were made at $36.45. Spot demand continues fair. January shipment quoted today at $34 per ton for 41 percent, Memphis basis. Slab cake sold at $31.50 for 41 percent, January-February shipment. Weather continues inclement. Heavy rains throughout this section today.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	December 23.	December 30.
January	$32.90@33.25	$33.35@33.75
March	32.50@32.85	32.75@33.25
May	32.00@32.75	32.15@32.60
July	31.75@——	32.20@——

Animal Oils

Degras.—The prevailing tone remained firm and quotations were in all instances well maintained. Supplies on spot were generally reported as light or moderate. There was a fair inquiry from local and other consumers.

Lard.—Quotations were 50c. to 75c. per 100 pounds higher, the market being firm at the advance. Consumers were not disposed to anticipate, but there was a fair demand for small or moderate quantities of the different grades.

Neatsfoot.—The market was firmer, selling schedules being advanced 25c. to 50c. per 100 pounds by producers owing to increased cost of basic material. There was a fair demand.

Oleo.—Business was on a fairly active scale and the market continued to present a firm appearance, though prices were without further quotable change.

Tallow.—Quotations were advanced 37½c. per 100 pounds, the strength of the market being due to the high cost of basic material.

Markets at Other Centers

Chicago, Dec. 31.—Corresponding to the continued firmness of basic raw materials and in related markets generally, animal oils have shown a rather strong undertone, and some sellers seem to have been inclined to shove their quotations on some items slightly ahead. Orders have come in for fairly good quantities of lard, tallow, etc. Inquiries are of a fairly substantial nature at this time.

LARD.—No. 1, 11⅛c. to 11¼c. per pound; No. 2, 10⅞c. to 11c.

OLEO.—No. 2, 12½c. per pound.

TALLOW.—Acidless, 10c. per pound; 11½c., drums, less than car lots.

Fish Oils

Menhaden.—There was a fair inquiry from local and other consumers of refined oil, but as usual at this season, the movement was limited to comparatively small quantities as a rule to fill current needs. The market remained in a firm position. There were no new developments in crude oil in primary centers, where unsold supplies are light, holders remaining firm in their views as to values in view of the recent course of prices for other oils and fats.

Sardine.—The market for refined oil was maintained at recently advanced levels with the tone firm. There was a fair inquiry though, as usual, at this season consumers were disinclined to purchase in advance of actual needs. The Coast market for crude remained firm.

Sperm.—Prices were maintianed at the recent advance with the tone of the market firm. There was a fairly active demand.

Markets at Other Centers

Baltimore, Dec. 29.—With virtually all of the menhaden fish oil produced down the Chesapeake Bay last season disposed of before now, the last week was marked by pronounced uneventfulness in the trade. Such interest as might have been manifested was overshadowed by the pre-occupation of the closing days of the year, when the attention is naturally diverted from the ordinary routine, and when a multitude of other matters claim attention. As far as could be learned, no sales of oil were made, and the situation turned into a waiting affair, with a definite revival not likely for some time. As for such stocks of oil which the fishing companies might still hold, they were not pushed at all, and the holders appeared indifferent about disposing of them. The smallness of the holdings obviates all difficulty about carrying them, and the sellers are quite prepared to wait for potential buyers to meet their ideas of price. These ideas are around 35 cents per gallon, or even more, since it is quite possible that the general advance in commodities now seemingly in progress will carry along fish oil as well as other items. The big soapers, of course, are not ready to revise their views upward, placing their hope on the competition of other materials.

Chicago, Dec. 31.—Values of some of the more important products in the fish oil market have been marked up further here, but buying has been attracted in only moderate volume. This situation seems to result from buyers' wish to follow a persistently cautious and conservative course. Offerings, however, are not very extensive at this time.

MENHADEN.—East Coast, 34c. to 35c. per gallon.

SARDINE.—Pacific Coast, 44c. to 45c. per gallon.

SALMON.—40c. to 42c. per gallon, Pacific Coast, largely nominal.

SAN FRANCISCO, Dec. 30.—California's sardine oil market came to a full-fledged halt during the past few days, with no sales of material having taken place and with the fishing boats tied up at the docks over the holidays. There has been no real interest shown by either side of the market to engage in further business since oil moved in northern California about 10 days or so ago at a 46-cent per gallon level in tankcars. Producers who have oil for sale at all have their ideas pegged at around 47½c. per gallon, but the consuming trade last week wasn't seriously contemplating taking on any supplies at that figure. As a matter of fact, no serious overtures for business were being made by either faction. It was a case of watching and waiting.

While there have been several good days of fishing in the San Pedro district, the situation in that section of the state insofar as production goes, has reached rather serious proportions. Strikes kept the plants idle there during November and so far this month it is pretty well agreed that not over 30 or 40 tankcars of oil have been made there. At the present time, a full moon and the holidays are keeping the boats in. In northern California, while the plants are closed now and will be probably until the turn of the year because of the holidays and moonlight, the month of December has seen production fairly well maintained and it is expected the out-turn will probably develop as well as did November. The run of fish in the north has been far larger and more fatty than those in the south so far, which as a rule is customary until late in the season.

No meeting date has so far been announced by the Fish and Game Commission for action on January reduction permits. It is expected the body will convene some time during the first week or ten days of that month when it is also expected that each shore plant in California will be allowed the customary 1,000 tons of fish for reduction. Most plants have not used this much fish and have carried over a portion of the previous month's allotment into the following period.

Ruling prices are:—

SARDINE OIL.—California crude sardine oil quoted at 46c. per gallon in tankcars (nominally) f.o.b. San Francisco and Monterey. San Pedro basis, nominally 47c. Quotation on Northern California oil represents last known sales.

Fats and Greases

Greases.—The market had a firmer tone, prices being ⅛c. to ¼c. per pound higher in some instances with offerings reported as light. There was a fair inquiry for moderate quantities.

Lard.—Cash prices had an upward trend at times in company with the course of the market for futures in Chicago, where sentiment appeared to be more bullish. The domestic demand was fairly active and some further improvement was reported in the foreign inquiry. The movement of hogs to the principal Western markets showed a decrease.

Stearin.—The market was stronger with offerings light. There was a more active inquiry and sales were reported at an advance of ¼c.

Tallow.—The situation was featured by light offerings and a firm tone. Large consumers were still inclined to hold aloof for further developments and such inquiries as were noted were confined to unimportant quantities. The last business reported on spot was on the basis of 8½c. per pound for extra delivered, but it was said that no important quantities were available at less than 9c., a figure which buyers were not disposed for the time being at least to meet. The market for tallow futures was fairly active.

Following is a record of the market for tallow futures on the New York Produce Exchange from December 28 to December 31, inclusive:—

	Cents per lb. in tanks. High.	Low.	Close.	Sales. Tanks.
January	8.60	8.60	8.50 bid	1
February	...	...	8.80 bid	..
March	9.15	8.80	9.00@ 9.15	9
April	...	...	9.15 bid	..
May	9.30	9.20	9.30@ 9.45	8
Total sales				18

Markets at Other Centers

Chicago, Dec. 31.—The cash lard market has been holding in good shape, with a fair amount of price appreciation recorded in the last few days. Statistics have furnished some little stimulus lately, although some buyers are inclined to defer making their commitments. Shipping trade

(Continued on page 36B)

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

KOSTER KEUNEN BEESWAX
IMPORT Established 1931 EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.— about 50 miles from New York City

SUN BLEACHED
Beehive Brand BEESWAX • Finest Quality • Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 2 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

ACCELERATORS
ACIDS
- Acetic
- Battery
- Benzene Sulfonic
- Benzoic Technical
- Carbolic
- Chlorsulfonic
- C. P.
- Cresylic
- Maleic
- Mixed
- Muriatic
- Nitric
- Phosphoric
- Salicylic
- Sulfuric

ALCOHOL
ALUMINUM CHLORIDE
ALUMINUM OXIDE ABRASIVE GRAIN
ALUMINUM SULPHATE
AMMONIA ALUM
AMMONIA ANHYDROUS
AMMONIA, AQUA
AMMONIUM BENZOATE
AMMONIUM HYDROXIDE, C. P.
AMMONIUM PHOSPHATES
AMYL ACETATE
ANTI-OXIDANTS
AROCLORS
BELT CEMENT
BENZOTRICHLORIDE
BENZOYL CHLORIDE
BENZYL CHLORIDE
BONE ASH
BRONZING LIQUIDS
BUTYL ACETATE
CALCIUM PHOSPHATES
CALCIUM PYRO PHOSPHATE
CALCIUM SULFATE
CAUSTIC SODA
CEMENTS
CHLOR PHENOLS
CHLORINE, LIQUID
CHROME SULFATE
COTTON SOLUTIONS
CRESOLS
CYCLINE OIL
DEPILATORY
DETERGENTS
DIACETONE ALCOHOL
DIBUTYL PHTHALATE
DICHLORANILINE 1:2:5
DICHLORPHENOL
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
DINITRANILINE
DINITROCHLORBENZENE 1:2:4
DIPHENYL
DIPHENYL PHTHALATE
DOPES (Lacquers)
DRY ICE
FERRISUL (Ferric Sulfate)
FERRO PHOSPHORUS
FIXALT
GLAUBER'S SALT
H ACID
HYPOCHLORITE OF SODA
INHIBITORS
LACQUERS
LAMPBLACK
MALEIC ANHYDRIDE
MERTANOL (Syntan)
MERTEC (Acid and Alkali resistant paint)
METACHLORANILINE
METANITROCHLORBENZENE
METHYL SALICYLATE
MOLD PASTE
MONOCHLORBENZENE
MONSANTO SALT
NITRATE OF IRON
NITRE CAKE
NITROBENZENE
NITRO-CELLULOSE SOLUTIONS
OIL OF VITRIOL
ORTHO AMINO DIPHENYL
ORTHOANISIDINE
ORTHOCHLORANILINE
ORTHOCHLORPHENOL
ORTHODICHLORBENZENE
ORTHONITRANILINE
ORTHONITROCHLORBENZENE
ORTHOPHENETIDIN
PARA AMINO DIPHENYL
PARACHLORANILINE
PARACHLORPHENOL
PARADICHLORBENZENE
PARANISIDINE
PARANITRANILINE
PARANITROCHLORBENZENE
PARANITROPHENOL
PARAPHENETIDIN
PARATOLUENESULFONAMID
PARATOLUENESULFONCHLORIDE
PENETRANTS
PERCHLORIDE OF IRON
PHENOL
PHOSPHATES
PHOSPHOROUS OXYCHLORIDE
PHOSPHOROUS TRICHLORIDE
PHTHALIC ANHYDRIDE
PLASTICIZERS
PYRIDINE
RESINS
SALICYLIC ACID
SALT CAKE
SANTOLITES (Resins)
SANTOSITE (Sodium Sulfite)
SODIUM ACETATE
SODIUM ALUMINATE
SODIUM BISULFITE
SODIUM PHOSPHATES
SODIUM SULFIDE
SOLVENTS
SPREADING AGENTS
SULFUR
SULFURYL CHLORIDE
TANNING CHEMICALS
THINNERS
TRICRESYL PHOSPHATE
TRIPHENYL PHOSPHATE
WATER TREATING CHEMICALS
WETTING OUT AGENTS
XANTHATES
... AND OTHERS

Monsanto Chemical Company
ST. LOUIS, U.S.A.

30 Rockefeller Plaza, NEW YORK
Tribune Tower, CHICAGO
Everett Station, BOSTON
Brown Marx Bldg., BIRMINGHAM
Johnston Building, CHARLOTTE
Midland Building, CLEVELAND
373 Brannan Street, SAN FRANCISCO
378 St. Paul St., West, MONTREAL

Drugs, Fine Chemicals

Cream of Tartar Reduced—Increase in the Grippe, Influenza, and Common Cold Brings Wide Demand for Remedial Agents —All Prices Show Firm Tendency

Even though it was the final week of the year, demand for many drugs and fine chemicals was active and expanding during the period in question. The items directly subject to improvement in request were those of seasonal importance and during the past week, conditions throughout the East and the middlewest were such as to keep the market very active.

The special condition noted during the past week was the steady and substantial increase in the number of cases of influenza, pneumonia, and grippe, and the common cold. While it would not be correct to state that these afflictions were present in epidemic force, it was entirely accurate to declare that there was a steady rise in the number of cases reported. This increased the demand for a wide range of remedial agents and caused prices on such materials to become substantially firmer in all instances.

The balance of the market was about steady with demand held down to somewhat routine proportions by inventory considerations. However, there were indications that the turn of the year would find demand rising and the trade looked forward to the new year with a deal of confidence. Prices in general were very steady and the tendency in most instances was upward.

Acid, Acetylsalicylic. — Highly unseasonal weather in the East and middlewest has resulted in a sharp rise in the number of cases of the common cold, influenza, and the grippe. This in turn has raised the call for remedial agents and demand for this item was active throughout the past week.

Acid, Tartaric. — Prices held steady at the levels recently set up by the producers and considering the time of the year the movement was said to have been very good. Also, the outlook favored broader trading directly after the turn of the year.

Alcohol. — According to the latest statistics covering production and stocks of completely denatured alcohol, withdrawals in November were heavy and resulted in a sharp decrease in stocks available at the end of that month. Production was smaller than it had been in October. During the past week, sales of industrial alcohol to manufacturing consumers covered deliveries to be made in the new year and volume was said to have been fairly substantial. The general undertone of the market was one of considerable strength and stability as stocks were considered to be not unwieldy. Statistics on industrial and ethyl alcohol, covering production, withdrawals, removals, transfers and month-end warehouse stocks for the month of November, according to statistics supplied by the Alcohol Tax Unit of the Bureau of Internal Revenue, Treasury Department, and based on the operations of thirty-one plants producing ethyl alcohol, and forty plants producing denatured alcohol, were as follows:

Ethyl Alcohol

	Proof gallons.
Production	20,170,272
Withdrawal, tax paid	3,215,126
For hospital, scientific and educational use	124,087
For United States and subdivisions	62,052
For export	1,543
For denaturation	22,161,114
Transferred to vinegar plants	32,437
Warehouse losses	....
Stocks November 30	13,359,793

Denatured Alcohol

	Wine gallons—Completely.	Specially.
Production	5,556,989	7,026,720
*Removed	5,955,957	6,990,141
Stocks November 30	838,433	472,483

* Including amount shipped to bonded dealers.

According to the reports from sixty-six bonded dealers, 399,307 wine gallons of specially denatured alcohol were received from the naturing plants in November. There were 364,373 wine gallons disposed of to bonded manufacturers. Shipments between dealers totaled 4,827 wine gallons. Stocks on hand at the end of the month totaled 384,490 wine gallons. The above figures are subject to change upon audit of reports rendered to the department.

Amidopyrine. — Conditions were favorable for excellent movement of this article and the active market noted in recent periods continued to be productive of firm market undertone and exceptionally steady prices.

Ammonia Bromide.—A considerable increase in cases of the influenza, grippe, and common cold kept demand for this item active at all times and gave to the market an undertone of steady strength.

Ammonia Chloride. — Seasonal demand was more active than ever last week and volume held up well at levels somewhat higher than had been the rule in recent periods. Prices were firm to strong throughout the entire period.

Antipyrine.—Adverse weather conditions stimulated demand substantially and resulted in the market gaining in activity and strength throughout the past week. Values were firmly held in all quarters.

Bismuth Metal and Salts.—Demand was active within the usual limits of the end of the year period. However, indications were that a substantial movement would come with the new year and the general outlook was for very firm prices at all times.

Caffeine.—Larger interest was shown in citrated material and an active, expanding movement into consumption was reported on the basis of very steady prices and in a market lacking much in the way of competition.

Camphor. — Demand for powder gained parallel with reports of a sharp increase in the common cold, the influenza, and the grippe. The call came from those disposed to use camphor to ward off contagion. Prices were firm in all quarters.

Camphor Monobromated. — The call was very good, showing gains as the common colds throughout the East increased substantially as the result of unseasonably warm weather. The U.S.P. IX powder moved steadily throughout the entire period.

Castor Oil.—Consumption of castor beans by the oil producers caused a substantial increase in importations during the first six months of this year. The total imported was 91,872,000 pounds, comparing with 26,239,000 pounds in the comparative period of 1935, and also with the total of 77,049,000 pounds imported in the entire year of 1935. Oil was distinctly firm last week and prospects for 1937 business were called very good.

CHICAGO, Dec. 30.—Firmness has continued in the castor oil market. Sellers are mostly taking a strong position. While there is adequate material, buyers have been taking out oil in good-sized quantities. Ruling prices of representative sellers are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 12¾c.

Codeine Salts.—Excellent request for sulphate and phosphate was reported

Price Changes

Prices were changed during the past week as follows:—

Advanced

Silver bullion, N. Y., ¼c. per oz.
London, ⅛d. per oz.
nitrate, ¼c. per oz.

Reduced

Cream of tartar, ¾c. per lb.

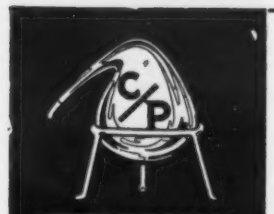
Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.6	180.6	180.4	186.5

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7



CHEMICALLY PURE GLYCERINE U. S. P.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P.
FLAG BRAND WHITE OILS
All Viscosities
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
Stocks carried in New York and other cities
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

The Standard of Quality for Ninety Years
PATTINSON'S BRAND
MAGNESIA
OXIDE • HYDROXIDE • CARBONATE
U. S. P. AND TECHNICAL
SCHOFIELD-DONALD CO., INC.
154 NASSAU STREET BEEKMAN 3-2339 NEW YORK, N. Y.

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1990

HEYDEN
fine chemicals
FORMALDEHYDE
PARA FORMALDEHYDE
HEXAMETHYLENETETRAMINE
Acetyl Salicylic Acid
Salicylic Acid
Sodium Salicylate
Methyl Salicylate
Minor Salicylates
Guaiacol
Creosote
Guaiacol Carbonate
Creosote Carbonate
Potassium Guaiacol Sulfonate
Benzoate of Soda
Benzyl Chloride
Benzoic Acid
Benzaldehyde
Bromides
Silver Proteins
Glycerophosphates
FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORP.
50 UNION SQUARE NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. WACKER DRIVE
factories: GARFIELD, N.J. - PERTH AMBOY, N.J.

last week and conditions seemed to favor a high rate of consumption from now until Spring because of seasonal influences. The grippe, influenza, and common cold have increased steadily during this extended period of warm weather.

Cream of Tartar.—Lower quotations have been established and the price of of powdered or granular material was 15c. per pound for 5,000 pounds, in barrels, one shipment. Smaller quantities were quoted at 15½c. Keg packing cost ½c. more than the above prices, which were quoted f.o.b. New York. Shipments from Chicago warehouses cost an additional ½c.

Ephedrine.—Hydrochloride and sulphate moved very well and the market as a whole was in firm position. The movement was even better than normal to the market at this season of the year, weather conditions having stimulated requirements of buyers.

Glycerin. — The market was strong at all points. While there has been a slight improvement in unsold stocks as the end of the year drew nearer, the increase has not served to create a market of any easier undertones. The market as a whole seemed destined to remain strong in price and not well stocked with unsold merchandise for some time to come. According to reports from Great Britain, exports from that country in the first ten months of this year totaled 111,036 hundredweights, comparing with 129,131 hundredweights in the corresponding period in 1935.

CHICAGO, Dec. 30.—Demand for c. p. and some other grades of glycerin has eased off a little in the year-end period between holidays. Prices are unchanged. It is suggested that after the nearby stress demand period is over, there may be some easing in the market. Ruling prices are:—C. p., drums, car lots, 21½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 22½c. to 24½c., according to quantity; dynamite, car lots, 21½c.

Iodine and Iodides. — The 1935-1936 report of the Nitrate and Iodine Sales Corporation of Chile states that a competitive policy has been followed in all markets, except in those where the importation of iodine is restricted by special legislation. Sales increased 59 percent as compared with those of the previous year. The board of directors has continued to give attention to maintaining world stocks in order to supply any additional demand and, at the same time, to protect the industry against the eventualities of restrictive measures in other markets. Within the year under review the new plant of the Pedro de Valdivia works of the Lautaro Nitrate Co. began production. It is understood that 1935-1936 sales amounted to approximately 635 metric tons.

Menthol. — Some gain in demand for mentholized products has been noted in keeping with the increase of colds, the grippe, the influenza, and pneumonia as the result of unseasonably warm weather throughout the East and middlewest. However, inventories of such materials were understood to be substantial and hence the better request has yet to be felt directly in the menthol market. Prices were generally firm.

Mercurials. — The market held very firm, reflecting the strong position that prevailed on the raw material. As there was nothing to suggest an early decline in the cost of quicksilver, the entire mercurial group was fully supported in price and demand was said to have been very good during the period reviewed.

Quicksilver. — The market was still strong in price but lacking in activity. All dealers declared that offerings made consumers were not often accepted and the disposition of buyers was to hold aloof pending further developments. As stocks were very small locally, a good sized demand would have been quickly reflected in advancing prices. The marine strike on the Pacific Coast continued to make for an accumulation of stocks but bad weather has reduced mining operations considerably, thus tending to check the accumulation.

SAN FRANCISCO, Dec. 30.—Further news of specific interest in the quicksilver situation here appeared to be lacking. Conditions were quiet and there were practically no inquiries out of the east, it being assumed that in the event metal could be shipped, inventories at this time of the year would largely stand in the way of business. One local producer said some of his metal on the spot in New York brought $92.50 per flask last week.

Quinine. — Demand was very active, especially for deliveries to be made promptly after the turn of the year. Throughout the country there has been a marked increase in the number of cases of the influenza, the grippe, the common cold, and pneumonia. Hence, consumption of quinine has increased substantially and the market was very firm as the result of the good demand last week. The call was especially good for hydrochloride, salicylate, sulphate, and bisulphate.

Salol.—Business was steady last week and there seemed to be a somewhat swifter undercurrent that brought to the spot a moderate improvement and increase in business. Prices were well maintained.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots cost from 1c. to 2c. more per

(Continued on page 50)

- - GUMS - -

Market events of the past six months have created unusual, if not unprecedented, problems for users of TRAGACANTH, GHATTY, LOCUST and KARAYA GUMS.

Our organization has studied closely each factor affecting the market advances in these materials. We will be glad to analyze the situation on any individual Gum and to put our recommendations before users.

Often, our laboratories can suggest a more economical grade or form of the Gum in question, effecting a saving that is most acceptable, in view of present prices.

Prompt shipments or future delivery contracts are available. Please write for full information.

SPECIALISTS IN ARABIC, TRAGACANTH, KARAYA, etc.

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK
1228 WEST KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

PRIVATE FORMULA WORK

Vaginal Jelly

Why tie up capital in expensive machinery? Let us show you how you can be relieved of production, also packaging, shipping — even displays and advertising—efficiently and economically. We have complete facilities—strict confidence absolutely guaranteed. Conveniently located in the Metropolitan District. May we send a representative?

Also Headquarters for Drugs, Chemicals, Essential Oils and Allied Products.

ERHMANN-STRAUSS CO., Inc.
202 W. Houston Street, New York

"IF IT'S A DRUG · WE HAVE IT"

Established 1910

HUISKING

IMPORTERS AND EXPORTERS

THE PEDER DEVOLD OIL CO. LTD. ESTABL. 1872 MANUFACTURERS OF PEDER DEVOLD'S TRADE P.D. MARK COD LIVER OIL ALESUND NORWAY

Alkaloids
Lanolin, U. S. P.
Lithol
Mercury
Spermaceti
Sulphur Precip., U. S. P.

DRUGS, CHEMICALS, OILS, RAW MATERIALS, Etc.

Haarlem Oil, Genuine Dutch Klass Tilly
Camphor Natural, Japanese
Camphor Synthetic, U. S. P. XI, Du Pont
Cocoa Butter, U. S. P. bulk or fingers
Menthol, Natural Japanese

Sole U. S. Representatives for Shipkoff's OTTO OF ROSE

CHAS. L. HUISKING & CO.
— INCORPORATED —
Chicago Branch: 561 E. Illinois Street
155 Varick Street, New York, N. Y.

MILK SUGAR
NATIONAL BRAND

National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular
Impalpable
NATIONAL MILK SUGAR CO., Inc.
205 E. 42nd St., New York, N. Y.

MENTHOL
Synthetic "Schimmel & Co."

SCHIMMEL & CO., Inc.
601 WEST 26TH STREET NEW YORK, N. Y.

BENZOL PRODUCTS COMPANY
237 South Street, Newark, N. J.
MANUFACTURERS OF FINE CHEMICALS

OXY-QUINOLIN
(8-HYDROXY-QUINOLIN)
Base or Sulphate

RESORCIN
PENNSYLVANIA COAL PRODUCTS CO. - Petrolia, Pa.
Established 1916 Inquiries Invited

PLYMOUTH BRANDS
STEARATES - ZINC - MAGNESIA
WHITE MINERAL OILS U. S. P. and TECHNICAL

Manufacturers and Importers for thirty years
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

Botanical Drugs, Gums

Final Week of the Year Quiet — Outlook Good for 1937 — Basic Position of Market Strong—Stocks Generally Subnormal —Price Tendency Definitely Upward

The final week of the year was comparatively quiet in the market for botanical drugs. After the strong upward sweep of prices that took place in the previous week, developments in the period under review were comparatively few and the net changes in quotations were very small in most instances. The basic position of the market was one of substantial strength, however, and the tendency of values was still upward.

The strength of the market at this time rests on the fact that unsold stocks in the hands of collectors and dealers have been rarely so conservative in size. Collections in the past several years had been progressively smaller and hence carryovers in most years were far under normal. That fact was emphasized once more this year when drought, and lack of normal supplies of labor, kept collections within comparatively narrow limits. Real and definite shortages exist throughout the entire list of medicinal botanical drugs and such items ended the year in quite the strongest price position for the entire twelve months.

Weather conditions have been such of late as to raise demand for many manufactured products and that fact alone was felt to be one of the strongest reasons why demand for botanical drugs would show an early expansion after the turn of the year. Actual needs of many manufacturing consumers were considered to be one of the strongest features in the market for the future.

Entries of botanicals at the port of New York since the week of January 1, 1936, and detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	2,330	4,008
Caraway	5,908	16,261
Cardamom (cases)	150	1,945
Celery	105	9,563
Coriander	3,956	8,470
Cumin	1,866	6,838
Dill	273	547
Fennel	445	1,604
Mustard	...	23,518
Poppy	...	32,203
Sage leaves (bales)	62	1,949
Sesame	171	180,381
Thyme herb (bales)	257	1,157
Totals	15,575	223,446

Price Changes

Prices were changed during the past week as follows:—

Advanced

Caraway seed, ¼c. per lb.
Colocynth pulp, 1c. per lb.
Clove, Madagascar, ¼c. per lb.
Zanzibar, ¼c. per lb.
Mustard seed, Danish, yellow, ¼c. per lb.
Paprika, Hungarian, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Borneo, ½c. per lb.
Peru balsam, 5c. per lb.
Rapeseed, Dutch, ½c. per lb.
Belgian, ¼c. per lb.
Japanese, ½c. per lb.

Reduced

Arnica flowers, 1c. per lb.
Anise, Spanish, 1c. per lb.
Buchu leaves, 2c. per lb.
Mustard seed, Hungarian, yellow, ¼c. per lb.
Bombay, brown, ½c. per lb.
Sunflower seed, Hungarian, medium, ¾c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
114.6	**114.8**	**114.4**	**103.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—Production has been smaller than expected in the primary market and hence there has been a gradual strengthening of the import cost of the article during the past week. Quotations were raised locally to the basis of $1.10 to $1.15 per pound and some quarters named the higher figures as minimum.

Tolu.—Business was rather light and irregular, trading being confined to jobbing requirements of a not large number of buyers. Prices remained about steady in all directions.

Barks

Barberry.—Root bark continued to display some of the strength prevailing when quotations were advanced in the previous trading period. However, further movement upward failed to develop. Tree bark was firmer but lacked change.

Dogwood.—Domestic bark was distinctly firm on the basis of the recent advance. Sales confirmed the market at 7c. to 8c. per pound and a fairly substantial business was done. Jamaica bark remained very steady but signs of an early change in values were lacking.

Orange Peel.—Sweet peel was very firm at 9½c. to 10c. per pound and because of the absence of normal replacement offerings from the source, the situation tended to gain in strength throughout the past week. The outlook was for a smaller than usual stock of the article for some time to come.

Wahoo.—Root bark was well and firmly held at 75c. to 80c. per pound while the tree bark stood at 22c. to 24c., also in firm position. Country reserves have been rarely so low as they are at this time and the upward trend in values has placed prices on root bark fully 27c. higher than they were at the beginning of the year.

Wild Cherry.—Consumption was expected to carry on in excellent volume following the turn of the year and the entire situation was one of substantial strength and lack of even moderate competition between sellers.

Beans

Calabar.—Demand was insignificant last week; indeed, it had not amounted to much for a number of weeks. However, prices remained firm because of a lack of competitive tendency among local dealers.

Vanilla.—The market ended the year in quite the firmest position noted at any time during the entire year. Values have risen substantially during the past year, as may be noted in the following comparison:—

	Per pound— January.	December.
Bourbons	$2.40	$3.75
Mexican, whole	3.00	4.00
cuts	2.75	3.50
South American	2.50	3.50

The effect of low prices on production became increasingly evident as the year passed and at the present time it is felt that several years must pass before the present higher market can result in larger crops being produced in all producing countries. In the meantime, the market last week was very firm and the outlook was for favorable trade in the next quarter.

Berries

Cubeb.—Steady to firm replacement costs kept spot quotations well maintained and free from competitive tendencies. Demand was generally small.

Saw Palmetto.—One local seller continued to offer reasonable quantities on the basis of 30c. per pound and reported but limited demand from consumers. Others wanted upwards of 33c. minimum. More stock than had been expected has been forthcoming from the primary market.

Flowers

Arnica.—Quotations were down slightly to the basis of 27c. to 28c. per pound, this being added evidence of the more competitive market developed during the past two weeks. Demand was hand-to-mouth most of the time.

Chamomile.—Competition was far keener than might have been warranted by replacement costs abroad on good to excellent quality merchandise. However, values were not driven any lower last week and some felt that the market from now on would show firmer undertones.

Lavender.—Competition was fairly aggressive. Now that one of the more active seasons of the year has passed, sellers looked forward to more quiet trading and this year the development comes at a time when prices have shown some softening and tendency toward competitive.

Pyrethrum.—This item is being grown in China with but indifferent success. The project is backed financially by a Shanghai maker of insecticides. Excessive rain in 1936, plus a decrease of 60 percent in prices, because of high stocks in Japan, led to the disappointment of the Chinese farmer. The recently firmer tendency in the Japanese market continued to make for better maintained prices. Spot quotations were steady.

Safflower.—While prices have not been reduced of late, offerings appeared to have been somewhat larger than the consuming requirements of buyers and hence the situation has been, and last week still was, one favorable for those with firm orders to place.

Gums

Arabic.—The outlook for larger business after the turn of the year was said to have been fairly favorable on spot last week. Inquiries in hand, plus known needs of numerous buyers, led

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS

Arabic
Aloes
Balsam Tolu
Cannabis
Chamomiles
Cudbear
Cuttle Bone
Digitalis
Ergot
Foenugreek
Ginger Root

Indian Gum
Kamala
Licorice Root
Lupulin
Mustard
Nux Vomica
Olibanum Gum
Orris Root
Papain
Saffron
Tragacanth Gum

CRUDE DRUGS
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK

BOTANICAL
CRUDE DRUGS MILLED
HERBS - ROOTS - BARKS - SEEDS AND SPICES
WATER SOLUBLE GUMS TRAGACANTH ARABIC - KARAYA
AMERICA'S OLDEST MANUFACTURER - PYRETHRUM PRODUCTS
MURRAY & NICKELL MFG. CO. Established 70 Years
2608-28 Arthington Street - - - Chicago

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

CHICLE, Mexican
F. HUBER & CO., 99 Hudson Street, NEW YORK

Prime Clear Balsam of Fir, Oregon
MAX H. BOEHME, Board of Trade Building, Portland, Ore.

KARAYA TRAGACANTH ARABIC
GUMS
WHOLE AND POWDERED
FRANK-VLIET CO. INC.
160 WATER ST. NEW YORK, N. Y.

STABILIZED PYRETHRUM
EXTRACTS — DUSTS — PERCOLATION FLOWERS
STABILIZED ROTENONE
DERRIS — CUBE — TIMBO
WHOLE ROOT — DUST — MIXED DUSTS — EXTRACTS
Standardized for Toxic Content—
Stabilized to Prevent Loss of Killing Power
HAMMOND PAINT AND CHEMICAL CO. Beacon, N. Y.

most importers to expect a revival of trading along somewhat broader lines than had prevailed in the past month. Prices were said to be very steady.

Benzoin.—While some fair-sized stocks of Sumatra gum were known to be engaged to come forward, the general feeling was that it would be some weeks before anything remotely resembling a normal spot reserve would be re-established. In the meantime, a strictly nominal market prevailed on the spot and open quotations meant little or nothing. Stocks were practically non-existent.

Guaiac.—Stocks were not too ample in size; in fact, most dealers declared them to be subnormal. However, actual consuming requirements were conservative in size and hence the only result was a distinctly firm market undertone and an absence of much in the way of competition.

Sandarac.—Quotations failed to work lower but the spot position of the article in a not very active consuming market was one favorable for buyers with firm orders to place. Stocks were not excessive in size, however.

Tragacanth.—The market was very strong—especially No. 1 ribbon, which item was in very low supply on spot and next door to being unobtainable in the primary market. No further rise in spot quotations was noted, but it was safe to assume that the tendency here was strongly upward and that not a great deal of No. 1 gum could be obtained at the minimum figure quoted. Price control in the primary market was absolute.

Herbs and Leaves

Buchu.—The market was lower at 58c. to 60c. per pound because of keenness in local competition. The present market position of this item was in quite sharp contrast to the recently very firm situation reported by most sellers.

Horehound.—The firmer and slightly higher prices noted in the previous trading period were still reported effective and subject to a very fair-sized demand, considering the fact that it was the last week of the year. Sales continued to be made at 7c. to 7½c. per pound.

Pennyroyal.—Stocks on the spot were low and could not be replaced by purchases in the primary market. Spot quotations were very firm at the higher level of 13c. to 14c. per pound set in the previous trading period.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Skullcap.—Values were exceptionally firm in all quarters, and while prices were not advanced again last week, they tended upward, and it would require but moderate expansion in buying to force the development.

Stramonium.—Another parcel of substantial size has been detained by the Department of Agriculture for the reason that the quality was not approved. Detentions have been comparatively large this year, but it was only in recent weeks that values started to climb. Last week the undertone was exceptionally firm.

Miscellaneous

Colocynth Pulp.—A recent arrival of this item was detained by the Department of Agriculture, quality being disapproved. The market, therefore, continued to show all its recent strength and quotations were higher at 77c. to 78c. per pound, while actual supplies were low.

Guarana. — Powdered goods were strongly held and the tendency was still upward, although further movement in values was lacking last week. The local stock was far smaller than normal, and signs did not forecast any early and substantial increase in the same.

Lycopodium.—The market held at 95c. to $1 per pound and seemed to be fairly steady. Considering the difficulty experienced by those trying to buy abroad, the failure of prices to advance has been little short of surprising. According to one importer, practically all the material reaching here has come from Poland because the Soviet Union has consumed the entire quantity produced in the USSR.

Manna.—Open quotations lacked further change but they are comparatively easy and the tendency was downward when business came to the market under competitive conditions. In spite of the dampness of the 1936 Summer in Sicily and Italy, and the consequent delay in getting tapping under way, all producers and exporters agree in reporting the 1936 manna harvest considerably larger than that of 1935. This represents a further increase in the manna production of the island, which from an estimated 6,000 quintals in 1934 rose to some 8,000 quintals in 1935. It is felt, however, that these are maximum estimates, and that the 1936 crop will amount to between 8,000 and 9,000 quintals at the outside. The export market dwindled noticeably in the last two years, and the local mannite industry carrying over sizable stocks into this season has contributed to depress the market.

Papain.—Local dealers were watching the primary market close, having in mind the very low spot prices at this time and looking forward to anything that would permit the re-establishment of profitable selling levels here. Recent reports indicated absence of replacement offerings.

Roots

Gentian.—The item on spot was in very low supply and it was apparent that a very good market would exist for anything to be available early in the new year. The fact that Spanish production has been cut off this year has contributed to the steady accession of strength in the market.

Ipecac.—Honduras is offering very little root at this time and prices have risen on anything available in firm position for export sales. The spot holding of this root was said to be light and in strong hands. Prices tended toward further rise, but no change came last week.

Kava Kava.—The tendency in prices was upward. Based on ability of local dealers to replace supply, values should be high as all shipments from the source have been cut off for some time past. However, there has not been much demand for the item of late.

Serpentaria.—Although sellers were still reserved and viewed the market as still having pronounced upward tendency, developments were lacking on spot last week. Quotations held very firm at 95c to $1 per pound. Unsold reserves in the country were very small.

Valerian.—One prominent importer of Soviet Union root declared last week that the quality of material coming from that country was quite the finest available in any source of supply. It was significant that a recent very large arrival from the USSR was not detained by the Department of Agriculture.

Seeds

Anise.—Spanish material was lower at 13c. to 13½c. per pound, lack of much demand finding reflection in the lowering of spot quotations. Star seed remained steady at the recent rise to 11½c. to 12c.

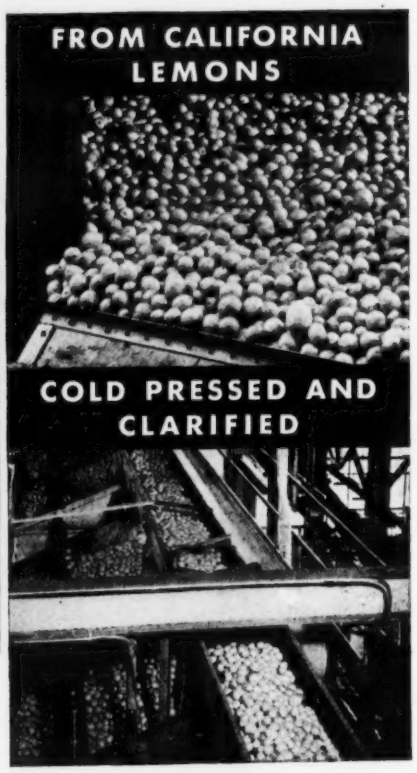
Caraway.—Quotations continued to advance and last week the spot market stood on the basis of 8¼c. to 8⅞c. per pound, done and with more business in sight. The market in Holland was much firmer, it was said.

Mustard.—Danish yellow was advanced to 8¼c. to 8¾c. per pound to bring spot and replacement prices more directly into line. Hungarian yellow was shaded to 7¼c. and 7½c., and Bombay brown was down to 5½c. to 6c. Domestic seed was not in oversupply and home production was cut badly last summer by the drought.

Rape.—Much of the huge sulplus of stocks built up when a tax was pending has been worked off and last week there was a revival of interest in imports which now must pay a tax. Cables to foreign sources of supply, particularly to Japan, brought few replies. Spot quotations on Dutch seed were advanced to 5¾c. to 6¼c. per pound; Belgian became nominal at 5½c. to 6c.; and Japanese was raised to 5¾c.

(Continued on page 48)

A U.S.P. OIL FOR THE AMERICAN TASTE



NO WONDER IT'S THREE TIMES AS POPULAR AS ALL OTHER LEMON OILS COMBINED

HIGH quality and right price have made Exchange Brand Oil of Lemon, U. S. P., the unquestioned leader in the United States.

It is made in the world's largest plant devoted exclusively to lemon products. Nowhere else are there the facilities to keep production quality so uniform. Nowhere else has the American taste been so successfully met.

Be sure to specify it by name: Exchange Brand Oil of Lemon, U.S.P. (Clarified).

Sold to the American market exclusively by

DODGE & OLCOTT COMPANY, 180 VARICK STREET, NEW YORK, N.Y. ● FRITZSCHE BROTHERS, INC., 76 NINTH AVENUE, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE

Products Department, Ontario, California

Producing Plant: EXCHANGE LEMON PRODUCTS COMPANY, Corona, California

Copr., 1936, California Fruit Growers Exchange, Products Dept.

Essential Oils, Aromatic Chemicals

High Cost of Production Puts Anisic Aldehyde Up — Low Ester Lavender Lower—Citrous Oils Strong—Spice Oils Not Well Stocked — Anise Nominal

New business was comparatively light in the market for essential oils and aromatic chemicals. It was the final week of the year and for the most part prompt delivery orders were confined to very small quantities. However, in contrast with that situation was the excellent interest shown in deliveries to be made early in 1937. Everything pointed to a continuation of excellent demand and the maintenance of a satisfactory volume of trade.

Pricewise, the entire market was in very firm position. Furthermore, all indications favored well maintained prices and many seemed to forecast probable extention of the rising trend that had featured values in the last quarter of the year especially. With an enlarging manufacturing requirement to be supplied, and with replacement costs being without signs of weakness, the situation was an improvement over that which had prevailed at the beginning of the year.

The citrous oil group was possibly the strongest section of the market, although the situation in anise, cassia, coriander, anisic aldehyde, Spanish oils and the like was such as to make such items a close second at the very least. The strength of bergamot, lemon and orange oils was in sharp contrast with that at the beginning of the year, a time when prices were declining. Domestic oils were noted for substantial strength in primary market hands and so far as spot prices were concerned, there was very little tendency toward shading. Tansy was outstanding for strength in this group.

French oils were about steady. French lavender flower oil of low ester content was cheaper but high quality material continued to command fairly high prices. Vetiver, ylang ylang, and geranium were well maintained. Spice oils such as clove and pimento were very firm and in not too ample supply. Eucalyptus was scarce and pending arrivals have been sold almost entirely into consumption.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Anisic aldehyde, 60c. per lb.

Reduced

Lavender, U.S.P. VIII, 30%, 30c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
80.1	80.9	79.7	71.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet, true oil was steadier following the decline noted in the previous trading period. The market was far from being overstocked with this item and replacements were to be had only with difficulty from the foreign source of supply. A very good interest for later deliveries was reported.

Anise.—The market closed the year in strong position. Stocks have never been so small as they are at this time, nor has the future of supplies been more uncertain than it is at present. So far as spot prices were concerned, the market was strictly nominal.

Bergamot.—The foreign market was well controlled and in strong price position. That on spot was a full reflection of the situation abroad, together with the fact that indications were that business would be very good after the turn of the year.

Birch Tar.—Rectified material was steady on the basis of the slightly more favorable price noted in the previous trading period. Production cost was such as to prevent any extended decline in values. Demand was strictly routine.

Bois de Rose.—Production of Brazilian oil in the states of Amazonas and Para in 1936 was estimated to have been close to 80,000 kilos. In 1930 the production was said to have been 116,000 kilos, and in 1931, 118,000 kilos was reported. The market on spot last week was reported to have been quiet but also very steady. A similar situation prevailed as to Cayenne oil.

Calamus.—The undertone was firm and the recent advance in prices was fully maintained during the past week. Business was generally quiet last week, but some fair-sized quantities were due to be shipped after the beginning of the new year.

Camphor.—The undertone was steadier and on the whole conditions appeared to reflect a firmer situation in the primary market. Some fairly large business has been done for delivery in the first quarter of the new year, and sellers looked forward to an improved situation for the future.

Cananga.—A routine market was reported last week, but prices failed to ease further and, for the most part, they seemed to be somewhat steadier so far as the native material was concerned. Rectified oil was slightly unsettled, but no change was made in open quotations.

Cassia.—The firmer tone continued and prices were fully maintained at all times during the past week. The slightly higher prices noted in the previous week were confirmed again and, considering the fact that it was the final week of the year, business was far from being inconsequential. The position of the article was one of considerable strength.

Cedarleaf.—The supply was none too ample on spot and in the primary market. While immediate demand was not very active, conditions were such as to make it likely that actual needs of consumers would be cared for only with difficulty in the first quarter of the new year.

Cedarwood.—Southern oil production was said to be well sold ahead and at the moment prompt deliveries from the source were not easy to secure. Spot stocks were not very large and hence the entire situation was one of substantial strength.

Cinnamon.—Prices on Seychelle oil were not reduced further. The situation seemed to be fairly quiet with values about steady and with signs failing to forecast any early change in the general situation. Ceylon oil remained very firm over a wide range ruling as to quality.

Citronella.—Cables continued to emphasize the strength of the primary markets and hence local values were very firm and the tendency of prices seemed still to be upward. Consumption has been very good and the outlook for sales early in the new year was said to be satisfactory.

Clove.—Spice was higher at the source. Production cost of this oil has advanced steadily during the past year and last week the situation was one of strength that some said was a forecast of probably higher prices on oil early in 1937. Contracts have been taken out very well and renewals have been along liberal lines.

Dill.—Though the market was not particularly active, the outlook was for a fair sized trade early in the new year and hence most sellers had firm views as to the value of their at present not excessive stocks, especially as concerned weed oil.

Erigeron.—Very little demand was noted last week but the market was strongly placed because of the fact that unsold stocks were very small on spot and the primary market had virtually nothing to offer. Production was almost nil last year.

Eucalyptus.—Stocks were at low ebb. Practically nothing remains of recent importations; deliveries direct from the dock to buyers left very little for warehousing by the local dealers. Demand

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

OIL CHAULMOOGRA
MM&R is guaranteed to conform with U.S.P. standards for medicinal and pharmaceutical uses but provides an infinitely higher measure of quality than standard requirements.
MAGNUS, MABEE & REYNARD, INC.
32 CLIFF STREET, NEW YORK, N. Y.
BALSAMS, AROMATIC CHEMICALS
CONCENTRATED FLAVORS...Since 1895
Essential Oils
M&R MAGNUS

MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
W. J. BUSH & CO.
INCORPORATED
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.
IMPORT Established 1896 EXPORT
ESSENTIAL OILS — Odors and Flavors for All Purposes
162-164 FRONT STREET NEW YORK CITY

ESSENTIAL OILS
H. C. RYLAND, Inc.
161-3 Water St., New York

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and Accurate

TURPENTINE WATER WHITE
(RECTIFIED SPIRITS, U. S. P.)
USES: In the drug trade and in manufacture of essential oils.
COOPER'S CERTIFIED CHEMICALS
CHARLES COOPER & CO.
6 Mulberry Street New York, N. Y.
Works, Newark, N. J.; Established 1857

D&O ESTABLISHED IN 1798
The Standard of Quality
THYMOL, USP
EUCALYPTOL, USP
OIL EUCALYPTUS, USP
OIL WINTERGREEN ARTIFICIAL, USP
WE SOLICIT CONTRACT ORDERS
DODGE AND OLCOTT COMPANY
180 Varick Street New York City
Branches: Philadelphia – Boston – Chicago – St. Louis – Los Angeles
"The integrity of the house is reflected in the quality of its products." © 1930

was active, conditions being favorable to a large consumption of the material.

Grapefruit.—New production was said to be underway but the prospect was for a moderate output this year and conditions did not suggest that prices would be any more favorable for buyers, this because of the upward tendency in production costs.

Lavender.—Spanish oil was very firm. The supply was none too ample nor was it easy to be certain of continued supplies being obtainable in the primary market. French flower oil was firm so far as high quality goods were concerned but some unsettlement was noted in the oil of lower ester content and it was possible to buy U.S.P. VIII 30 percent ester at $2.25. The range was to $6.75 according to quality.

Lemon.—A strong market ruled in the final week of the year. The market has been rarely as strong at the turn of the year and the outlook was for high, well maintained prices during the consuming season in 1937. The situation in Italy was one of unabating strength and the position of California oil on the spot was equally strong at very firm prices.

Orange.—Shipments of oil from French Guinea in the first nine months of 1936 amounted to 1,796 metric quintals, comparing with 1,889 metric quintals in the corresponding months in 1935. The quality of oil produced last year was said to have been considerably better than that in former years. During the 1936 period the United States purchased 14 metric quintals as against none in 1935. France took 95 percent of the 1935 exports and 70 percent of the (9 months) exports in 1936. England took 21 percent, Germany, Netherlands and the United States being the destination of the remainder. The market as a whole was a very firm affair last week. The situation in Messina oil showed no change favorable for buyers. California oil was in good request and stocks were none too plentiful.

Patchouli.—Japan was the principal buyer of British Malaya oil, taking 550 gallons in 1935. The statistics show that the United States took 240 gallons, the United Kingdom, 177 gallons, and other European countries, 420 gallons. During 1936, fair sized quantities came to the United States and on the whole values were firm at all times.

Peppermint.—Sellers refused business at less than the minimum of spot prices and not all dealers were disposed to take on new orders at those limits. The position of the primary market was one of firmness and sellers were inclined to hold prices steady while awaiting a return of demand along broader lines.

Petitgrain.—Following the decline noted in the previous period, the market became steadier and sellers refused to accept bids when made under $1.05 per pound. The replacement cost was said to justify fully the price prevailing on spot stocks.

Spearmint.—Prices held at $1.75 to $2 per pound, ruling as to seller and quantity. A somewhat narrow consuming market was said to have been responsible for the recent reduction but the present price was close to replacement cost and oil in the country was said to be firmly maintained. Demand was still narrow.

Aromatic Chemicals

Anisic Aldehyde.—Because of the high cost of production based on anise oil at current values, quotations on this derivative were advanced to the basis of $2.75 to $3 per pound, prevailing according to quantity.

Citronellal.—Production costs were firm because of the prices prevailing on raw material. Demand for this product was said to be fair and prices were well maintained at all times last week.

Citronellyl Acetate.—A somewhat slow market was reported last week but prices were deemed steady to firm and competition was negligable. Outlook for the new year was said to be satisfactory.

Citronellyl Butyrate.—Stocks were said to be somewhat light in most directions and hence prices showed strength regardless of the not very active demand reported by local dealers last week. A good grade of this item commanded fully $8 per pound.

Cretaegone.—The alkali resistant properties of this material has made it valuable in production of soapmakers perfumes and at $4.10 per pound sales were said to have held up very well right to the end of the old year. Stocks were moderate in size.

Diethyl Phthalate.—Sales volume was restricted by the fact that demand was mainly for quantities sufficient to cover needs over the final week of the year. However, the market had a firm tone and inquiries already in the market for deliveries early in the new year were said to give evidence of a substantial consuming requirement lying directly ahead.

Dimethyl Hydroquinone.—Business was on a hand-to-mouth basis. Reports indicated that manufacturing consumers were carrying fair sized stocks of the item and hence a somewhat narrow market was expected to prevail in the immediate future. Prices were steady.

Diphenyl Methane.—Competition was fairly keen and although open quotations lacked change, conditions suggested that shading was possible with a firm order in hand.

Diphenyl Oxide.—Immediate demand was moderate but fairly subtantial quantities have been booked for delivery early in the new year and the general feeling was that the market would remain well stabilized and in firm price position.

Methyl Acetophenone.—Trade was somewhat irregular in the final week of the year. Jobbing orders were the rule. However, prices remained steady to firm, reflecting the absence of important competition in local circles.

Methyl Anthranilate.—Indications pointed to a fairly lively trade when the restrictions of the inventory period have been removed from buyers. The firm tone of the market was accompanied by steady prices and an absence of excessive competition.

Musk.—Stocks were declared to be ample in size and hence competition was fairly aggressive between sellers of the domestic and imported materials. Spot demand was light last week but there was a gain in interest in parcels for early delivery in January.

(Continued on page 50)

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street *Phone Superior 5940* **Chicago, Ill.**

ESSENTIAL OILS *for Seasoning*

CELERY
PARSLEY SEED
CUMIN
MARJORAM
SWEET
SAGE,
DALMATIAN
ROMAN FENNEL
ESTRAGON
SAVORY
and Others

Manufacturers of prepared foods are rapidly conceding the pronounced advantages of using FRITZSCHE'S ESSENTIAL OILS (100% pure!) in the seasoning of their products. They find them much more uniform in flavor, stronger, easier to handle and, consequently, more economical and satisfactory than crude herbs and spices. You should write for further particulars!

FRITZSCHE Brothers, inc.
316 WEST 8TH STREET LOS ANGELES, CAL.
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG.
76 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

One-hundred-fifty-seventh Instalment

Lacquers

Lacquer-Removing Agents

(Continued from December 28 issue)

Antimony chloride
Antimony oxychloride
Arachidic acid
Bayberry wax
Beeswax
Bentonite
Benzaldehyde
Benzene
Benzoic acid
Benzyl alcohol
Benzyl benzoate
Benzyl cresylate
Borax
Butanol
Burning
Butyl alcohol
Butyric acid
Butyrone
Calcium acetate
Calcium hydroxide
Calcium sulphide
Camphor oil
Candelilla wax
Carbinol
Carbon bisulphide
Carbon tetrachloride
Carnauba wax
Casein
Castor oil, sulphonated
Caustic soda
Cellosolve
Chinawood oil
Chlorinated glycerin
Choloranilin
Chlorobenzene
Chloroform
Clove oil
Cocoa fat
Cresols
Cumin
Cymanol
Denatured alcohol
Detergol
Dimethyl phthalate
Diatomaceous earth
Dioxan
Ethyl butyrate
Ethyl citrate
Ethyl palmitate
Ethylene dichloride
Ethylmethyl ketone
Fish oils
Formic acid
Furfural
Gasoline
Heptyl ketone
Hexahydrobenzene
Isobutyl alcohol
Isopropanol
Japan wax
Kieselguhr
Lactic acid
Lime soaps
Linseed oil, sulphonated
Magnesium carbonate
Methanol
Methyl palmitate
Methylamine
Monochlorobenzene
Naphthalene
Nitrobenzene
Oleic acid
Oxalic acid
Oxycellulose
Palmitic acid
Paraldehyde
Phenol
Phosphoric acid
Potassium acetate
Potassium carbonate
Potassium hydroxide
Potassium oleate
Propionic acid
Pumice
Rosin
Salicylic acid
Silica
Soda ash
Sodium benzoate
Sodium carbonate
Sodium cresylate
Sodium fluoride
Sodium hydroxide
Sodium metasilicate
Sodium oleate
Sodium phenolate
Sodium phosphate
Solventol
Solvents
Stearin
Succinic acid
Suspensone
Sulphonated oils
Superalkalies
Tallow
Tartaric acid
Terpineol
Trisodium phosphate
Turpentine

Luster-Modifying Agents for Lacquers

Aluminum salts of u-sulphonic acids of alicyclic hydrocarbons containing at least 8 carbon atoms
Aluminum salts of u-sulphonic acids of aliphatic hydrocarbons containing at least 8 carbon atoms
Metal salts of u-sulphonic acids of alicyclic hydrocarbons containing at least 8 carbon atoms
Metal salts of u-sulphonic acids of aliphatic hydrocarbons containing at least 8 carbon atoms
Zinc salts of u-sulphonic acids of alicyclic hydrocarbons containing at least 8 carbon atoms
Zinc salts of u-sulphonic acids of aliphatic hydrocarbons containing at least 8 carbon atoms

Oils Used in Lacquers

Broiline
Candlenut oil
Castor oil
Chia oil
Chinawood oil
Corn oil
Cottonseed oil
Grapeseed oil
Grayfish oil
Hempseed oil
Kapokseed oil
Katalized oil
Linseed oil, blown, decolored, heavy-bodied
Lumbang oil
Menhaden oil
Oiticica oil
Palo maria
Peanut oil
Perilla oil
Pilchard oil
Poppyseed oil
Raisinseed oil
Rapeseed oil
Refol
Rubberseed oil
Salmon oil
Sardine oil
Seal oil
Shark oil
Shark-liver oil
Skate-liver oil
Sesame oil
Soybean oil
Sunflower-seed oil
Supervar
Troluoil
Tung oil
Varnite
Walnut oil
Whale oil
Wood oil
Yellowtail fish oil

Plasticizers for Use in Lacquers

Abrocol
Acaroid
Acetaldol
Acetanilide
Acetic esters of glycerin
Acetic acid ester of 2-butyloctanol
Acetophenone
Acetobenzenesulphonamide
Acetobetanaphthalide
Acetochlorhydrinbenzidin
Acetochlorhydrose heptaacetate
Acetochlorhydrose monoacetate
Acetochlorhydrose octaacetate
Acetochlorhydrose tetraacetate
Acetodichlorhydrin
Acetone plus alcohol-ether solution of turpentine
Acetoneglycerol
Aceto-orthotoluidide
Acetopara-anisidide
Acetoparatoluenesulphonamide
Acetophenone
Acetoxylide
Acetylamidophenyl amylcarbonate
Acetylamidophenyl ethylcarbonate
Acetylamidophenyl isobutylcarbonate
Acetylamidophenyl methylcarbonate
Acetyldichlorohexylamine
Acetyldicyclohexylamine
Acetyldiphenylamine
Acetylethylamidophenyl amylcarbonate
Acetylethylamidophenyl ethylcarbonate
Acetylethylamidophenyl methylcarbonate
Acetylhydrocellulose
Acetylmethylamidophenyl amylcarbonate
Acetylmethylamidophenyl isobutylcarbonate
Acetylmethylamidophenyl methylcarbonate
Acetylmethylanilin
Acetyloxycellulose
Acetylphenylnaphthylamine
Acetylphenyltolylamine
Acetyl derivatives of—
  Alcohol derivatives of hexoses, pentoses, and other sugars
  Erythritol
  Glycerin
  Pentaerythritol
  Polyhydroxy alcohols
  Sorbitol
Acid amides
Acyl derivatives of—
  Alcohol derivatives of hexoses, pentoses, and other sugars
  Erythritol
  Glycerin
  Pentaerythritol
  Polyhydroxy alcohols
  Sorbitol
Adipinic acid cyclohexyl ester
A H N
Alcohol derivatives of hexoses, pentoses, and other sugars
Alcohol-ether solution of turpentine and a ketone
Aldols
Aliphatic dicarboxylic acid esters of—
  2-Butyloctanol
  2-Ethylbutanol-1
  2-Ethyl butylacetate
  Di 2-ethyl butylphthalate
  Di 2-ethyl butylsuccinate
Aliphatic monocarboxylic acid esters of—
  2-Butyloctanol
  2-Ethylbutanol-1
  2-Ethyl butylacetate
  Di-2-Ethyl butylphthalate
  Di-2-Ethyl butylsuccinate
Aliphatic polycarboxylic acid ester of—
  2-Butylactanol
  2-Ethylbutanol-1
  2-Ethyl butylacetate
  Di-2-ethyl butylphthalate
  Di-2-ethyl butylsuccinate
Alkylnaphthylamines
Alkylsulphonamides
Alkoxyphenyl compounds
Alphanaphthalenesulphonamide
Amidobenzenesulphoazodiphenylamine
Amidosulphobenzoic acid
Amyl acetylsalicylate
Amyl adipinate
Amyl benzoate

(To be continued)

Petroleum Solvents, Lubricants, Fuels

One Midcontinent Crude Purchaser Raises Posted Prices 17c per Barrel—Majors Have Not Followed—Pennsylvania Grade Crudes Up—Refinery Products Strong

The petroleum market was tense with interest in whether or not the major crude purchasers would follow the lead of one buyers in raising prices. As announced a few weeks ago, one buyer increased the posted prices for Midcontinent, Panhandle Texas, Rocky Mountain and New Mexico crudes by 17c. per barrel effective today. This action marked the initial change in Southwestern crude oil postings in almost a year. The previous prices posted by this buyer and those still quoted by other purchasers were established in the early part of January 1936. The refined oil markets stiffened in anticipation of a general boost in the crude oil market, the most notable move toward strength having been an advance in the export prices for gasoline and kerosene at the U. S. Gulf.

Also for the first time in almost a year, prices for Pennsylvania grade crudes were advanced. Although there were no changes in prices for Pennsylvania cylinder oils, neutrals and bright stocks, the crude rise had a strengthening effect, particularly on cylinder oils.

Buyers of petroleum solvents and industrial naphthas were watching the market closely. The only price move reported was an advance in the tankwagon prices in the Chicago district.

The daily average production of crude oil in United States for the week ended December 26 was 3,133,250 barrels, a decrease of 12,450 barrels from the 3,145,700 barrel average of the preceding week, according to the estimates of the American Petroleum Institute, which omits any oil that might have been produced surreptitiously. The average for four weeks ended December 26 was 3,099,650 barrels and the average at this time a year ago was 2,810,800 barrels. Runs of crude oil to stills were reported as having averaged 2,730,000 barrels for 76.8 percent of refinery operation, and according to the A.P.I., 225,000 barrels additional were unreported for a total average run of 2,955,000 barrels against 2,990,000 barrels during the preceding week.

Solvents and Diluents

Although the period between the Christmas holiday and the beginning of the new year usually has been a slow one, there was a fairly close interest manifested in the market for petroleum solvents and industrial naphthas last week. With higher crude oil prices in prospect, buyers have been investing against the possibility of higher prices for the refined products. There has been no change in tankcar prices for these materials at East Coast, Midcontinent or Pacific Coast refineries in recent weeks but tankwagon prices in Chicago were raised. It was learned that a suggested revision of Stoddard solvent specifications (CS 8-28) will be made known to the trade about the middle of this month.

Cleaners' Naphthas.—A higher tankwagon price in Chicago was the only price movement reported with 15.8c. per gallon mentioned, against 15½c. per gallon previously. There was a fair interest in the tankcar market despite the usual quiet of the holiday period. Tankcar prices at refineries were unchanged.

Lacquer Diluents.—The market shared the sustained interest of other petroleum naphthas. The prospect of higher crude prices caused a close concern on the part of buyers. November sales of lacquer by 344 establishments reporting to the Bureau of Census totaled a value of $3,307,498 against $3,162,719 in October, and $2,998,319 in November last year; 11 months' sales totaled $32,181,397 against $26,623,438 in a like period of 1935.

Petroleum Thinners.—A rise of 3/10c. per gallon in Chicago tankwagon prices was the feature of the week. Quotations there were now 16½c. per gallon. The refinery markets in the East and Midwest were firm and watched closely by the purchasing interests because of the advancing position of crude oil.

Rubber Solvents.—The market continued active although the demands of the rubber trade have been leveled off as a result of recent sit-down strikes in some plants. The output of pneumatic casings in October was estimated at 4,081,023 units, an increase of 6.4 percent over September and slightly higher than the 4,054,747 units produced in October, 1935, according to the Rubber Manufacturers' Association.

Stoddard Solvent.—It was learned last week that a suggested revision of Stoddard Solvent specifications (CS 8-28) will be made known to the trade around the middle of this month. The refinery markets for this article were in a firm position last week and received some buying attention despite the usual quiet of the holidays. The Chicago tankwagon price was now 15.3c. per gallon against 15c. per gallon previously.

V. M. & P. Naphthas.—The lone change in the market was an increase in the tankwagon price at Chicago where prices were now 16.8c. per gallon against 16½c. per gallon previously. The refinery markets were in a firm condition and recipients of more than usual attention on the eve of the New Year's holiday because of the advancing position of the crude oil market.

Markets at Other Centers

Chicago, Dec. 31.—Petroleum diluents and solvents were strong in the tankcar dealings, while tankwagon prices in most sections have undergone fractional price advances recently. Tone of the market was described as healthy. Inquiries for more material were frequent. Ruling prices in tankcar lots except as noted were (tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4¾c. to 5c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 15.8c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.3c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.8c., tankwagon.

Tulsa, Dec. 30.—There were more inquiries in the market for petroleum solvents for 1937 delivery as it was generally believed that prices will firm up in view of the possibility of a higher crude oil market. Quotations last week, however, were unchanged.

Lighter Fractions

Prices named by leading producers of petroleum hydrocarbons in the light solvent fraction group have not undergone recent change. The market for butanes, hexanes, propanes and others in this classification was quite steady and the demands from the regular channels of consumption were quite routine.

Butanes.—There has been no change in the position of this article for some time. Quotations for 16-34 degree material testing up to N.G.A. specifications ranged from 2¼c. to 3¾c. per gallon, the prices that have been standing for many months. These quotations were f.o.b. Group 3.

Heptanes. — Conditions surrounding the market for this commodity were unchanged. Leading sellers have not reported any change in the market prices for the past several weeks, and quotations were based at 10½c. per gallon for tankcars of normal and 9½c. for mixed, both basis Group 3.

Octanes.—This mixture held a steady position last week at the prices that the sellers have been quoting without change for the past several months.

Propane.—There were no new or important features in the market for this commodity, as it passed through the year-end hcliday period. Quotations were held at the prices that have been in force for some time.

Petrolatums and Waxes

White Mineral Oils.—The condition of last week's market was not different from that of the preceding week. Sellers did not expect much of an interest from their customers until after the holidays and after annual inventories have been taken. Prices continued in a steady pcsition.

Paraffin Waxes.—Although the scale wax market idled through the holiday period, the market lost none of its recently added firmness. The quotations for 122-124 A.m.p. wax continued at 2.40c. to 2.45c. per pound and 124-126 A.m.p. was 2.50c. to 2.55c. per pound. Although some of the Pennsylvania refiners expected to be back into the market after the turn of the year, most of the operators look for a stronger po-

The State of the Petroleum Market

Crude oil prices were increased 17c. per barrel by one purchaser of Oklahoma-Kansas, North Texas, Carson-Hutchinson (Panhandle) Texas, and the New Mexico pools at Artesia, Jackson and Maljamar. Other buyers have not followed the advance. Pennsylvania grade crude prices were advanced by the Bradford-Allegany district and Conning grade crudes were not advanced. Gasoline prices at refineries were unchanged. Gasoline at service stations was lower in Cleveland and higher in Washington.

	Dec. 31	Dec. 24	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.276	$1.276	$1.140
Gasoline prices at refineries (at four refining centers) per gallon	.0534375	.0534375	.0534375
Gasoline prices at service station (average for ten marketing centers—including tax) per gallon	.1905	.1919	.1899

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

White Oils ~ All Grades
PETROLATUMS
DI-BUG PYRETHRUM PRODUCTS
SHERWOOD PETROLEUM CO., Inc.
REFINERY — WARREN, PA. BUSH TERMINAL — BROOKLYN, N. Y.

HEEKIN CANS
Strong, Reliable, Handsomely Lithographed

Heekin Lithographed Cans are of the finest quality, rugged and strong, yet beautiful in appearance . . . lasting qualities that continuously advertise your product.

Today, if you want to keep pace with the procession, you must dress up your product in an attractive package . . . today is a day of beauty. Heekin Cans are preferred by most successful manufacturers. Write us today for complete information.

THE HEEKIN CAN CO., CINCINNATI, O.

NEUTROLEUM
ALPHA . . . GAMMA
Aromatic concentrates that neutralize and perfume. For use in fly sprays and all other preparations based on Petroleum distillates.
Write for detailed information
FRITZSCHE Brothers, inc.
616 WEST 8TH STREET LOS ANGELES, CAL
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG. 76 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL

Outputs and Quotas

A comparison of suggested crude oil production for December as recommended by Secretary Ickes and the American Petroleum Institute's estimate of crude production for the week ended December 25, follows:—

	Federal agency allowable.	Estimated output.
Oklahoma	567,000	595,000
Kansas	155,900	176,150
Texas	1,145,200	1,211,850
Louisiana	204,800	240,350
Arkansas	26,800	28,000
Eastern (not including Michigan)	110,600	112,250
Michigan	29,300	27,400
Wyoming	40,200	45,000
Montana	14,300	18,100
Colorado	4,500	3,700
New Mexico	78,300	86,250
California	553,400	588,600
Totals	2,930,300	3,133,250

sition. The increase in Pennsylvania grade crude prices last week was another factor that pointed toward the stronger side of the market. The schedule for fully refined wax prices was unchanged.

CHICAGO, Dec. 30.—Strength prevailed in the refined wax market to a considerable extent. Buying has been holding on, right up to the close of the year. Supplies look to be of no great volume in relation to the steady flow of business being booked, and offerings were accordingly moderate. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Dec. 30.—There was no change in the scale wax market as inquiries for future delivery appeared to be multiplying last week. Most refiners quoted 2¾c. per pound for early January delivery.

Petrolatum.—Refiners reported that there were no price movements during the week and the condition of the market was a steady one. The demands against contracts and open order business were light last week, as the market exhibited usual holiday quiet.

Fuels and Lubricants

The refined oil markets continued in a very strong position last week. The major crude buyers have not followed the price hike of one of the smaller factors, but the refined oils have been strengthening in anticipation. The principal movement in the market last week was an advance in export gasoline and kerosene prices for export at the U. S. Gulf. Kerosene occupied a strong position at the recent advance and domestic heating oils were also strong. The demands for kerosene and heating oils have been broad, despite the unseasonally high temperatures for this time of the year. The rise in Pennsylvania grade crude prices stiffened the Pennsylvania lubes, but no advances were made.

Tankwagon Price Changes

BALTIMORE.—Tankwagon kerosene prices were advanced 1c. per gallon to 9c. at Baltimore, December 19, by the Standard Oil Company of New Jersey.

CLEVELAND.—Tankwagon and service station gasoline prices were reduced 1c. per gallon, December 31, in and around Cleveland, by the Standard Oil Company of Ohio. The tankwagon price is now 16½c. per gallon.

ROCHESTER.—Service station gasoline prices were advanced ½c. per gallon January 1 by leading marketers. The price was now 17c. per gallon.

WHEELING, W. VA.—Tankwagon gasoline prices to dealers were advanced ½c. per gallon December 23 by the Standard Oil Company of New Jersey. The dealer tankwagon price was now 10½c. per gallon with ½c. per gallon less to undecided dealers.

Market Conditions

Gasoline.—The local bulk market continued in a strong position last week. Jobber buying has been fairly broad and the current quotations of the leading sellers seemed firmly established. In some quarters there was talk of a higher market, perhaps to 7c. for 65 octane material. The current quotations of the leading sellers were:—U. S. motor, 62-63 octane, 6½c. per gallon; U. S. motor, 65 octane, 6¾c. per gallon; and branded qualities, 7c. per gallon. All of the aforementioned prices were for tankcars at the refinery. The export market at the U. S. Gulf was ⅛c. per gallon higher last week with quotations as follows:—U. S. motor, 5¼c. per gallon; 60-62, 400 e.p., 5⅜c. per gallon; 60-62, 390 e.p., 5½c. per gallon; and 64-66, 375 e.p., 5¾c. per gallon.

Kerosene.—The spot market position continued quite firm here. So far as could be learned, there were no offerings on spot at less than 5½c. per gallon for tankcars of 41-43 water white material at the refineries. There were reports of contract business at 5¼c. per gallon, but 5½c. was firm on spot. The export market at the U. S. Gulf was advanced last week with prime white at 4¾c. per gallon, an advance of ⅝c. per gallon, and water white at 5c. per gallon, a rise of ½c. per gallon.

Fuel and Gas Oils.—The demands for domestic heating oils continued broad even through weather conditions have been unseasonal. Prices continued in a firm position. The bunker oil market was also unchanged and steady with $1.15 per barrel named for C grade oil, f.o.b. terminals. Diesel oil was also unchanged.

Lubricating Oils.—The advance in Pennsylvania grade crude prices had a stiffening effect upon the lube market, particularly in the cylinder stocks. There were no actual price changes made but the cylinder oils, bright stocks and neutrals were all in good shape.

Crude Oil Price Changes

Colorado

The Continental Oil Company posted Canon City and Florence crudes at $1.15 per barrel, January 4. On the same date the company posted Fort Collins and Wellington at $1.06 per barrel for below 29 gravity with 29-29.9 at $1.08 and a 2c. differential for each additional degree of gravity up to 40 and above at $1.30 per barrel.

Midcontinent

Oklahoma-Kansas crudes were advanced 17c. per barrel, January 4, by the Continental Oil Company to $1.11 per barrel for below 29 gravity with 29-29.9 at $1.13 and a 2c. per barrel differential for each additional degree of gravity up to 40 and above at $1.35 per barrel. Prices at North Texas were advanced 17c. per barrel to $1.01 for below 29 gravity with 29-29.9 at $1.03 and a 2c. differential for each additional degree of gravity up to 40 and above at $1.25 per barrel. This succeeds posting of January 9, 1936.

Pennsylvania

The Joseph Seep Purchasing Agency of the South Penn Oil Company advanced Pensylvania grade crudes 15c. per barrel, December 28. The new postings were as follows:—Penn grade in South West Penn lines, $2.32 per barrel; Penn grade in Eureka lines, $2.27 per barrel; Penn grade in Buckeye lines, $2.12 per barrel; and Corning grade in Buckeye lines, $1.32 per barrel (unchanged). Bradford-Allegany district oil was unchanged at $2.45 per barrel. This succeeds posting of January 13, 1936.

The Pennzoil Company increased posted prices for lower district Pennsylvania crude 15c. per barrel, December 28, to a range of $2.52 to $2.57 per barrel. This succeeds the posting of January 13, 1936.

Rocky Mountain

The Continental Oil Company posted Cat creek, Montana, at $1.45 per barrel; Big Muddy, Wyoming, at $1.23 and Lance Creek, Wyoming, at $1.02 per barrel, January 4.

Texas

The Continental Oil Company posted an advance of 17c. per barrel at Carson-Hutchinson Counties, January 4, to 98c. per barrel for oil below 35 gravity with 35-35.9 at $1 per barrel and a 2c. differential for each additional gravity up to 40 and above at $1.10 per barrel. This succeeds the posting of January 9, 1936.

The company also increased posted prices 17c. per barrel at Artesia, Jackson and Maljamar, New Mexico, pools from 80c. per barrel to 97c. per barrel.

Markets at Other Centers

Tulsa, Dec. 30.—Although there was little trading expected in the refined oil markets, there were further extensions to price advances in products that were nearing seasonal high points in consumption. Kerosene and distillates were raised ¼c. per gallon. These advances were not the result of unusually larger purchases, but mostly because of large inquiries in the market. Several refiners came in to bid for a large volume of the two products. It was apparent that several plants were short of these materials, despite climatic conditions. However, in East Texas one of the largest refiners took the entire kerosene supply of two refiners at 37⅛c. and 4c. per gallon. Sellers see no particular reason to liquidate inventories in view of the possibility of higher raw material costs. Most certainly, they reason, current prices should be the minimum quotation in the coming fortnight. Then, they were also helped in their position by the reduction in freight rates January 1.

Although refined gasoline prices remained unchanged, there was further weakening in the natural gasoline market. And, in Texas where most of the offerings have originated during the past two weeks prices fell below 4c. for the 26-70 grade, a break of another ¼c.

GASOLINE.—High gravity 68-70 360 e.p. was firmer by ⅛c. with refiners asking 5¼c. to 5½c. per gallon. Other grades were unchanged. U. S. Motor ranged from 4½c. to 5c. while 65 octane was 4⅞c. to 5¼c.; 68 octane was 5¼c. to 5⅜c.; and 70 octane 5½c. to 5⅞c. per gallon.

GASOLINE (NATURAL).—The 26-70 grade in Oklahoma declined another ¼c. to 4c. while the Texas product was quoted 3¾c., off ½c., making the 18 pound grade 4½c. and 22 pound 4⅛c. to 4¼c. In Oklahoma 18 pound was 4¾c. to 4⅞c. while 22 pound was 4⅜c. to 4½c. per gallon.

KEROSENE.—The 42-44 product again crossed the 4c. mark for the first time since last Spring as refiners quoted 4c. to 4⅛c. while 41-43 grade was 3⅞c. to 4c. per gallon with the customary ⅛c. discount for resale.

DISTILLATES.—All grades advanced ⅛c. per gallon. The 38 prime white was quoted 3¾c. to 3⅞c. per gallon while No. 1 straw 38-40 and No. 2 straw 32-36 was quoted alike at 3½c. to 3¾c. per gallon. The No. 2 dark and No. 3 28-32 were quoted 3⅜c. to 3⅝c. Gas oil 32-36, 3¼c. to 3½c. per gallon for zero grade.

FUEL OILS.—The 24-28 low cold test was quoted 95c. to $1.05 a barrel while high cold test was 80c. to 85c. per barrel. The 18-22 was 72½c. to 80c. per barrel while fuel oil below 16 degrees was generally 65c. to 75c. per barrel depending upon the grade.

LUBRICANTS.—Inquiries for 1937 deliveries were numerous during the week. The market appeared to be in a stronger position than for some past. The advance in the Pennsylvania crude oil market has supplied another factor of strength.

Chicago, Dec. 30.—Refined petroleum markets were marking time, apparently waiting for the outcome of the crude oil market impasse. Demand for gasoline has held up well into the final days of the year, and refinery shipments accordingly have been quite good for December. Retail markets were fairly well stabilized. Kerosene was a strong spot in the whole petroleum market situation with several large refiners trying to buy. Better grades of furnace oils continued in strong demand, with some apprehension expressed over supplies in the event of a Winter of an extreme nature. The heavy gas oil and heavy fuel oil situation remained strong, with industrial consumers large-scale purchasers. Lubricating oils were quiet but mostly firms.

GASOLINE.—Low octane motor, 4¾c. to 4⅞c. per gallon; middle octane motor, 5⅛c. to 5¼c.; high octane motor 5¾c. to 5⅞c.; 60-62, 400, 4¾c. to 4⅞c.; 64-66, 375, 5c. to 5¼c.; 68-70, 360, 5¼c. to 5½c.

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—No. 1 white, 3⅝c. to 3⅞c. per gallon; No. 1 straw, 3½c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3⅜c. to 3⅝c.; 32-36, dark, industrial gas oil, 2⅝c. to 2¾c.

FUEL OILS.—No. 4, 97½c. to $1.02½ per barrel; No. 5, 77½c. to 82½c.; No. 6, 65c. to 70c.

New Orleans, Dec. 29.—The steady trend of the past few weeks was again noted in the domestic market—quotations remaining unchanged. Foreign inquiries were good, while exports continued fair. U. S. motor below 62 octane was quoted at 6⅛c.; 63-67 octane at 6½c.; and 68-70 octane at 7c., all per gallon at refinery.

Kerosene continued unchanged at 7c. per gallon at refinery.

Bunker C fuel oil was quoted at 95c. per barrel at terminal and $1 per barrel delivered alongside, while industrial plants were quoted on a basis of $1.36 per barrel, delivered.

Libbey-Owens-Ford Glass Company, Toledo, has purchased a 16-acre site for a new research building near its laminated glass factory.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1936 Jan. 1-Dec. 31	1935 Jan. 1-Dec. 31
Commercial crude oil production	1,076,634,000	971,455,000
Gross domestic production (including oil burned on leases, in drilling, illegal production, etc.).	1,092,783,000	981,200,000
	1937 Jan. 1-Jan. 2	1936 Jan. 1-Jan. 2
Commercial crude oil production	6,236,600	5,628,000
	Week ended Jan. 2, 1937	Week ended Dec. 28, 1935
Daily average production	3,118,300	2,814,000
	Week ended Dec. 26, 1936	Week ended Dec. 19, 1936
Estimated motor fuel stock total	60,873,000	59,205,000
Estimated finished motor fuel stock at refineries	34,755,000	33,286,000

Botanical Drugs

Seeds

(Continued from page 44)

to 6¼c. Oil producers were in the market.

Sabadilla.—More active trading was expected and there were signs of a steady gain in interest on the part of the manufacturing consumers. Quotations were exceptionally firm at 22c. to 23c. per pound for the powdered material.

Spices

Clove.—Prices were advanced on spot to the basis of 16c. to 16½c. per pound. Importers said it was difficult to get firm offerings from the source. The market seemed to have gained substantial strength over the past two weeks.

Ginger.—Numerous attempts to buy African root for shipment resulted only in disappointment to those wishing to place orders. The market was strong and so far as quotations were concerned they were close to being nominal. Jamaica and China roots remained firm in undertone.

Paprika.—Hungarian material was up fractionally to the basis of 21c. to 22c. per pound. Spanish material was quiet to steady but not a great deal of activity was noted locally last week. A fair stock was said to be in hand locally.

Pepper. — Black lampong was up slightly to the basis of 6⅞c. to 7c. per pound and reports in some quarters said that nothing was available at under 7c. White Borneo pepper was higher at 11c. to 11½c. per pound; all other varieties were firmer, though lacking in change. Red peppers were steady to firm. Some fairly substantial business in goods to come forward was done last week.

Pimento.—The undertone was steady to firm but there was not a great deal of call noted during the period under review. The replacement market seemed to have been well held at values prevailing in the past fortnight.

McCormick Salesmen Hold Four-Day Meeting

Sales representatives of McCormick & Co., spices and drug specialties, Baltimore, who came from all parts of the United States and some from Central and South America, attended a four-day conference at the home office, beginning December 28. The meetings were taken up with presentations and discussions of the present and future policies of the organization and acquainting the salesmen more fully with the manufacturing processes for various products.

J. N. Curlett, a vice-president, was general chairman, and different sessions were presided over by heads of departments. Talks were made by Charles P. McCormick, president; George M. Armor, vice-president; F. W. Ensey and W. M. Davis and C. L. Fardwell, vice-presidents of the McCormick Sales Company; P. T. Frisch, assistant sales manager, and Fred C. Pochrandt, secretary of the Albrecht Grocery Company, Akron, O.

American Potash Institute reports the addition of Joe E. Walker to its staff as field agronomist in the Southwestern States. Mr. Walker assumes his new duties well equipped with experience based upon several years of work as a county agent in Arkansas and Mississippi. He received his technical training at the Arkansas College of Agriculture.

Fertilizer Materials

Trade Dulled by Holidays—Organic Ammoniates Strong—South American Packing House Products Unavailable—Delivery Orders for Base Goods More Active

Although trading has been dulled by the holidays, prices for organic ammoniates continued strong to higher and the scarcity of supplies was evidenced further. According to importers, packing house by-products from South America cannot be counted upon for delivery over the next few months because of the lack of ocean freight space. The shipping strike has reduced the number of operating vessels. There were no offerings of South American blood, tankage or bone products last week. Transportation of Chilean nitrate from the west coast of South America has not been handicapped and importers have a sufficient number of boats chartered to insure regular transportation.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bone, raw, 4½ & 50, dom., $2.50 per ton. Tankage, Chicago, fert. grade, 25c. per unit-ton.

Reduced

Bone, steamed, 1¼ & 60, Chicago, $1 per ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
63.6	63.6	63.6	57.7

Market news that may have developed after this report was sent to press will be found on page 4.

Fish products were virtually absent from the market. Ground menhaden meal in Baltimore was the only fish commodity offered on the open market and the holders were not anxious sellers. Bone products were growing scarcer and the price for domestic material delivered at Atlantic ports reached a new high last week.

Calls for deliveries of nitrate of soda, potash superphosphate and sulphate of ammonia were mildly active last week and with mixing evidencing further progress, the demands against contracts should broaden after the holiday period ends.

Ammoniates

Nitrate of Soda.—The demands for deliveries against contracts showed some life last week but the market retained the mildness of the holiday period. There has been very little new business during recent weeks. The price situation continued undisturbed and held at the schedule. It was reported in Paris that the French Government was negotiating with Chile for the exchange of aircraft for Chilean nitrate to the value of about 120,000,000 francs. And it was further reported that barter arrangements with Great Britain and Italy were being considered by Chile. According to the latest reports here, Chile's request for a permit to send 80,000 tons of nitrate to France during the first quarter of 1937 had not been acted upon by the French Government. Chile was understood to be selling some nitrate in Germany under some sort of exchange compensation agreement and was understood to have recently traded nitrate to Greece for transportation of goods on Greek steamers, and traded 7,000 tons to Czechoslovakia for Czech goods sold in Chile.

Sulphate of Ammonia.—Last week's market was not visibly different from that of the preceding week. The usual quiet of the holiday period was in evidence, although buyers have been ordering out deliveries in more frequent fashion. Prices continued firm and unchanged. Estimated production of ammonia from by-product coke operations in November, representing the ammonia sulphate equivalent of all forms of ammonia recovered, totaled 64,709 net tons, a decrease of 0.6 percent from the 65,082 tons produced in the preceding month, according to the Bureau of Mines. The November production was the second largest monthly total for the first eleven months of the year and the total estimated output for the first eleven months of the year was 639,922 tons against 478,745 tons in a like period last year. Total output for 1935 was only 531,710 tons.

Dried Blood.—A sale was registered in the New York market last week at $4.25 per unit, establishing the market at the asked figure of a week ago. This sale represented an increase of 25c. over the preceding sales figure. Imported material was not offered here and, according to factors in the article, the South American product cannot be depended upon for delivery over the next few months because of the lack of cargo space. The Chicago market continued firm at $4.50 per unit.

Castor Pomace. — As reported previously, latest sales were made at $20 per ton, f.o.b. domestic producing points. There was very little material offered and the foreign article has not been available in this market for months.

Fish Scrap.—There was practically no trading in this market last week. The only material available on the open market was ground Chesapeake menhaden scrap in Baltimore at $56 per ton, f.o.b. Baltimore, and it was believed that the holders of this material were not anxious sellers. Japanese sardine from abroad has not been offered for prompt shipment. There were no resale offerings of Japanese meal either. Late shipping position could have been traded abroad if desired.

Nitrogenous Material.—There were no further advances in prices reported last week. The market idled through the holiday period but did not lose any of its recently added strength. Latest quotations reported were those of a week ago with $3.50 per unit named for January-April shipment from Carrollville; $3.40 per unit nominal at Chemical; $3.50 per unit nominal at Norfolk; and imported also nominal with $3.25 hardly believed workable albeit that was the most recent figure mentioned.

Tankage.—Imported material was not offered for shipment and traders indicated that the article could not be counted upon as a factor during the next few months because of the scarcity of ocean freight space even at the recently advanced rates. There were no prices mentioned for import last week. Fertilizer grade material in Chicago advanced 25c. per unit-ton to the basis of $4 and 10c. per unit-ton, nominal. The New York market was nominally $4.25 and 10c. per unit-ton for ground or unground—whichever was available.

Potashes

The market lacked new features during the period under review. Deliveries against orders booked earlier in the season marked the only sign of life in the market. The price situation continued steady and undisturbed at the list figures.

Phosphates

Although the reports from Chicago contained a lower price for 1¼ and 60 steamed bone, bone products in the Eastern market were higher. The domestic product at Atlantic ports was sharply higher and imported material was unobtainable for shipment because of the lack of ocean freight space. The superphosphate situation did not change last week albeit sellers in the Baltimore area have been talking of a stronger market.

Bone Materials.—Domestic 4½ and 50 bone, basis c.i.f. Atlantic ports, was quoted at $35 per ton last week, a rise of $2.50 per ton over the nominal price in force previously. Imported material was nominal in price and there were no offerings around the local market last week. Furthermore, sellers did not expect much of the foreign article to be offered except for very late shipping positions. The price of 1¼ and 60 steamed bone in Chicago was quoted $1 per ton cheaper last week at the basis of $17 to $19 per ton.

Superphosphate.—Orders for deliveries against contracts were a little more active although the dullness of the holiday period was evident. The next few weeks should result in broader calls for delivery as mixing should evidence further progress.

Sulphur and Pyrites

The approach of the year end was rather quiet in the sulphur market. Prices were held unchanged at the level that has been long in force. A recent announcement that the Chilean Government will operate a sulphur mining plant to produce 500 tons daily has reawakened publicity in the interest of Chilean sulphur. Certainly, there is plenty of sulphur in the ground in Chile but sulphur experts here doubt that Chile will ever become a world factor. The deposits are said to be high in the Andes, some 16,000 to 18,000 feet above sea level. Climatic conditions at the deposits and transportation difficulty in moving the material to the seaboard are serious handicaps to large production. Production in Chile has been sufficient to meet local needs in the manufacture of black powder and also to supply the needs of some of the copper companies there, but it has rarely exceeded 25,000 tons per year. Production during the year just ended may have been slightly larger than usual because of the extra efforts of Chilean industry to obtain supplies of home materials for barter with the outside world, a condition necessitated by the prohibition of currency exports.

Markets at Other Centers

Atlanta, Dec. 29.—The market for fertilizers was very quiet during the holiday period. No material changes in prices were reported. With the beginning of the new year, trading in fertilizer materials was expected to pick up and gain in proportions over last season. Weather has been quite unfavorable for advance preparation of land for Spring crops, though it was not as bad in this respect as last year at this time.

Though there was considerable price demoralization in the sale of manufactured fertilizers during the Spring season, collections were reported to have been excellent, and the opinion in fertilizer circles was that the cotton belt was in financial position to make liberal purchases of fertilizers in 1937.

Quotations of this market were as follows:—

SUPERPHOSPHATE.—$11.30 per ton, interior producing points.

NITRATE OF SODA.—$25.50 per ton, bulk, port basis.

SULPHATE OF AMMONIA.—$26 per ton, bulk, port basis.

COTTONSEED MEAL.—7 percent grade, $32 per ton, interior mill points.

NITROGENOUS.—Foreign, to arrive, $3.25 per unit.

BLOOD.—Dried, $4.15 to $4.25 per unit, Chicago; imported, $3.90 per unit, port basis.

TANKAGE.—$4.50 and 10c. per unit, port basis.

Baltimore, Dec. 29.—The market for crude fertilizer materials was quiet. Organic ammoniates were firm and higher. Buying by makers of fertilizer mixtures was almost suspended at this time; producers of feeds were going out after supplies with energy. The figures currently mentioned were as follows:—

FISH SCRAP.—There were no supplies of unground menhaden left in the hands of the fishing companies. Domestic fish meal was held at $56 to $58 for spot, with Japanese sardine meal nominal. The ship strike has, of course, interfered with the movement of foreign and has made delivery uncertain.

TANKAGE.—Prices were marked up to $4.25 to $4.50 and 10c. per unit-ton, for ground, basis Baltimore, with stocks decidedly limited.

BLOOD.—Latest quotations were $4.25 to $4.50 per unit.

SUPERPHOSPHATE. — The quotations were nominally unchanged, but the talk was that the market will go higher.

GARBAGE TANKAGE.—Though $4.40, 10c. and 70c. per unit-ton and even more has been asked, the market range was reported to be about $3.75, 10c. and 70c. per unit-ton.

POTASH.—Quotations continued at list.

BONE.—The current figures were around $33.50 per ton for 4½ and 50 ground raw stocks and $27 per ton for 3 and 50 ground steamed stocks.

Chicago, Dec. 30.—A stronger note has been encountered recently in tone of the fertilizer materials. Trade was going ahead at prices that are mostly steady to a shade stronger. Purchases have been made on a moderately active scale considering the year-end. Blood held in tight supply. Tankage was moving moderately well. Bone materials have been slow and inclined to hold their own without much feature.

BLOOD.—Principal grade, $4.30 to $4.40 per unit of ammonia.

TANKAGE.—High grade, $3.75 to $3.85 and 10c.; low grade, $18 to $19, Middle West; liquid stick, $2.50 to $2.60; hoof meal, $2.90 to $3.

BONE MATERIAL.—Ground, steamed bone, 1¼ and 60 percent, $17 to $19; 3 and 50 percent, $19 to $20; 4½ and 50 percent, $23 to $24; grinding hoofs, pigs' toes and waste horn materials, $19 to $21; junk and hotel kitchen bones, $18 to $19; cattle jaws, skulls and knuckles, $27 to $28; pork cracklings, soft pressed, $55 to $60; hard pressed cracklings, per unit of protein, 95c. to $1.

San Francisco, Dec. 29.—Rains added a little life to the fertilizer trade here on prompt shipment business, but otherwise the market was a quiet affair. Fish meal was perhaps the most active material moving in the trade, the market rising gradually to $42.50 per ton, northern California basis, on a good volume of business. Other organics were somewhat active, tankage and blood being mentioned in the trading during the week. Sulphate of ammonia was moving along in a normal fashion, the trade on new contracts being a trifle light just at the moment. Potashes and phosphates were the needed materials, being held up on account of the strike, and the sellers were finding it difficult to sell ahead because of the unknown shipping dates.

Ruling prices are:—

NITRATE OF SODA.—100-pound bags, $28 per ton; 200-pound bags, $27.50 per ton; bulk lots, $26 per ton, all ex vessel San Francisco/Oakland.

AMMONIA SULPHATE.—Quoted at $27.50 per ton, f.o.b. cars, in 100-pound bags, San Francisco and Los Angeles, and $28.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $29.50. Prices good for delivery to June, 1937.

AMMONIA PHOSPHATE.—Quoted at $38 per ton, single bags; $38.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A.

POTASH NITRATE.—100-pound bags, $33 per ton, ex vessel or warehouse San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic was quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign, 67½c. to 70c. per unit in bags, c.i.f. Pacific Coast.

FISH MEALS.—California sardine meal is quoted on the basis of last sales at

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% Pure
TEXAS GULF SULPHUR COMPANY,
(INCORPORATED)
Office:
75 East 45th Street, New York City
Deposits and Plants:
Gulf, Newgulf and Long Point, Texas

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Frank R. Gunn Company
Analytical and Consulting Chemists
OILS, FATS, WAXES, SOAPS, FLOUR AND FEEDS, FERTILIZERS
Ontario and Brabant Streets Philadelphia

Charles H. LaWall Joseph W. H. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Est. 1865
W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone Hanover 2-3772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research.

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-976 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5280/5261.
254 West 31st Street New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.
American Gum Importers Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected. Problems Solved. Plants Equipped.
433 Stuyvesant Ave. Irvington N. J.
Phone Terrace 3-3626.
E. M. Laning, B. Sc., President.
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry. Consultation on Formulation and Processing of Paints, Varnishes and Shellacs.
128 Water Street HA 2-9096

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

Pacific Food & Drug Laboratories, Inc.
Specializing in
VITAMIN ASSAYS
and development work
Pacific Beach, California

PHOTOGRAPHY
Industrial Technical Microscopy Scientific
Motion Picture Production
Henry Roger
Sandy Hook, Conn. Phone: Newtown 65-3
(Formerly with Rockefeller Institute)
Member: Society of Mot. Pict. Engineers. Biol. Photogr. Association.
Fellow: Royal Microsc. Soc., England.

TEA SEED OIL TEST
Several months experience are back of our test for this adulteration in Olive Oil
Schwarz Laboratories, Inc.
Analysts, Biologists, Consultants
202 E. 44th Street New York, N. Y.

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone Ashland 4-4343.
16 East 34th St. New York City

Snell, Inc., Foster D.
Chemists—Engineers
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.
215 N. Calvert St. Baltimore, Md.

Stillwell & Gladding Established 1863
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road Montclair, N. J.
Telephone 2-4516

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing on analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

Spanish Potash Cargo Held Up by Britain

LONDON, Dec. 19, 1936.

The arrival here December 15 of the steamer Beatsa with a cargo of potash, believed to have been loaded in Spain, has been the subject of an application to the High Court.

Cyril Miller applied for an injunction on behalf of three Spanish companies owning all the potash mines in Spain, which sought to prevent the shipowners, the Angelus Shipping Company, from delivering the cargo to the holders of the bills of lading. Justice Branson granted an interim injunction on the applicants' giving an undertaking to pay unloading and warehouse charges, and to provide £2,000 guarantee in damages.

The application arose out of the war in Spain. About September those directors of the three companies, who had not been caught and shot, fled to France and Belgium, and have since been unable to look after the production or shipment of any of their potash deposits. In October they found that cargoes were being shipped from Barcelona. The applicants contended that the cargo belonged to them.

Counsel Miller said the court would have to decide whether the mines had been validly sequestered by the Spanish government.

J. Edward Murray, president of the Emerson Drug Company, Baltimore, was confined to his home with the grippe during the holiday week.

Drugs, Fine Chemicals

(Continued from page 42)

ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices for bullion in New York and London are also provided.

	Per ounce		
	Nitrate.	Bullion	
		New York.	London.
	Cents.	Cents.	Pence.
Saturday	32¾	45	21⅛
Monday	33	45¼	21¼
Tuesday	33	45⅛	21¼
Wednesday	33	45¼	21⅜
Thursday	33	45	21⅛
*Friday	..	..	..

* Holiday.

Soda Citrate.—Business was more active and sales volume was said to be rising substantially because of exceptional seasonable conditions that have increased the need for U.S.P. X granular material. Prices were very steady.

Theobromine Sodiosalicylate. — The U.S.P. powder was in very good request and the outlook favored excellent sales as the new year gets under way. Pricewise, the market was firm in the absence of much in the way of real competition.

Santonin Substitute Exploited in Japan

Alantolactone, one of the components of the complex crystalline derivative from elecampane (Inula helenium) is being exploited in Japan as an anthelmintic, with the claim that it is "four times as strong" as santonin, according to information received by the Department of Commerce from the assistant trade commissioner at Tokyo.

In the study of native plants for anthelmintic properties, a Japanese scientist some three years ago discovered some promise in the root known as ogoruma, which is said to be the inula long popular as a cough medicine in many countries. Early experiments with the active principle derived from this root indicated that its use produced certain ill effects, probably caused by the helenin that is associated with the alantolactone and has been suggested as a powerful germicide in intestinal and respiratory inflammations. Purification (separation, probably) is said to have afforded the lactone ($C_{15}H_{20}O_2$) in a form that did not have the untoward properties, but was proved by clinical tests to possess strong anthelmintic qualities.

London Drug and Oil Data

Stocks of drugs and oils in London public warehouses November 30, 1936, and 1935, and the movement of these goods into and out of such premises during November, this year, were as follows:—

	Landed.	Delivery.	Stocks 1936.	Stocks 1935.
Shellac, orange, cs.	3,506	3,243	123,581	177,053
garnet, cs.	184	252	500	657
button, cs.	690	613	1,143	840
Totals	4,380	4,108	125,224	178,550
Quinine, sulphate, lbs.	...	...	...	...
Cinchona bark, South American, cs.	...	...	...	...
bales, etc.	...	...	...	...
East India, Ceylon and Java, cs.	...	...	...	...
bales, etc.	169	197	521	681
Totals	169	197	521	681
Aloes, cwt.	...	332	180	51
Anise, Star, cwt.	30	17	76	22
Balsam, cwt.	22	16	114	41
Cascara sagrada, tons	43	16	99	61
Tanners' bark, tons	...	...	...	...
Beeswax, pkgs.	1,409	1,450	2,243	2,609
Japan wax, cs. etc.	214	132	407	166
Camphor, pkgs.	159	203	358	429
Cardamoms, cwt.	...	14	76	437
Cochineal, bgs.	...	16	56	24
Coculus Indicus, bgs	...	...	...	...
Colombo root, bgs.	...	...	2	352
Cubebs, bgs.	10	11	3	17
Dragon's blood, cs.	19	9	172	126
Nutgalls, China and and Japan, cs.	...	...	580	478
Turkey and Persian, bgs.	10	...	172	65
Gum, ammoniac, pkgs.	...	...	27	16
animi, pkgs.	36	37	467	486
copal, pkgs.	2,088	2,513	17,334	14,489
arabic (all descriptions), pkgs	1,178	1,627	11,396	13,369
asafetida, cwt.	...	20	423	431
benzoin, cwt.	40	54	846	746
dammar, pkgs.	435	1,044	4,722	3,789
gamboge, cwt.	21	3	42	44
guaiac, cwt.	...	2	104	173
elemi, pkgs.	...	...	...	...
kauri, tons (net).	24	26	117	269
mastic, pkgs.	...	28	27	15
myrrh, East India, pkgs.	...	11	66	139
olibanum, pkgs.	...	6	261	268
sandarac, pkgs.	29	38	135	119
tragacanth, pkgs.	415	1,219	2,425	4,713
Ipecac—				
Mattogrosso, cwt.	100	134	140	71
Other sorts, cwt.	49	35	70	
Jalap, cwt.	20	8	21	12
Myrobalans, tons	1	1	2	2
Nux vomica, cwt.	...	...	...	426
Oils, castor, cwt.	930	680	318	93
palm, tons	...	...	...	1
coconut, tons	152	154	28	68
olive, cks, etc.	285	397	794	1,051
*anise, cwt.	62	59	15	5
*cassia, cwt.	13	6	10	2
Graphite, tons	19	13	74	40
Rhubarb—				
Chinese Rhapontica, cwt.	15	43	216	268
Saltpeter, tons	...	6	4	9
soda nitrate, tons	216	126	2,942	1,977
Sarsaparilla, cwt.	64	74	342	368
Senna, bales	137	137	3,292	4,404
Sticklac, cs.	646	720	1,685	1,096
Gambier, tons	3	1	7	9
Cutch, tons	...	1	8	12
Turmeric—				
Bengal, tons	...	10	52	13
Madras, Cochin, etc., tons	...	20	143	38
Total tons	...	30	195	51

* Stocks at certain wharves not included.

Essential Oils

Aromatic Chemicals

(Continued from page 46)

Paracresolmethyl Ether.—Interest in this item was a trifle sluggish last week but on the whole the situation was about normal for the last week in the old year. Pricewise, the market appeared to be well stabilized and firm prices were expected to prevail in the first quarter of 1937.

Paracresyl Acetate.—Competition was fairly active and while open quotations were still $3.85 per pound, reports suggested that that figure could be shaded at times. Demand was somewhat small.

Pelargol.—Makers of soap perfumes were disposed to take on fair sized quantities for early delivery in the new year and hence there was said to have a considerable strengthening of market undertones and prices.

Phenyl Acetaldehyde.—Irregular demand prevailed and in all respects the market last week was typical of the end of the year period. Prices remained steady to firm, however, mainly because of the well maintained cost of replacement.

F.T.C. Drops Thayer Charges

WASHINGTON, Dec. 30, 1936.

The Federal Trade Commission has dismissed a complaint against the Thayer Pharmacal Company and Thayer Sales Corporation, Chicago, which charged unfair competition in the representations made for a skin cream claimed to contain unusual properties by reason of its turtle oil content. No reason was given for the dismissal, but it is understood that the commission concluded that evidence in the case did not warrant a cease and desist order.

Shipping Information

All matter under this head fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, CITRIC—10 cks, Italian Line, Alberta, Palermo
CITRIC AND TARTARIC—1 cs, Alaunia, London
COALTAR—35 dms, Merck & Co, Kelso, Hull
CRESYLIC—21 dms, Merck & Co, Kelso, Hull
NAPHTHENIC — 157 dms, Petroleum By Product Co, Deutschland, Hamburg
5 dms, Shell Oil Co of Toronto, Deutschland, Hamburg
90 dms, Shell Eastern Petroleum Product Co, Exhibitor, Constanza
PHOSPHOMOLYBDIC—1 cs, 44 lbs, Pfaltz & Bauer, Deutschland, Hamburg
STEARIC—2 bgs, Yardley & Co, Ansonia, London
28 bgs, Binney & Smith, Rotterdam, Rotterdam
AGAR AGAR—15 bls, Mitsui & Co, Eidsvold, Kobe
10 bls, Consumers Import Co, Asosan, Kobe
ALBUMEN, DUCK—56 cs, Kinai, Hankow
EGG, HEN—168 cs, Stein, Hall & Co, Kinai, Shanghai
112 cs, Consumers Import Co, Kinai, Kobe
56 cs, Bank of New York Trust Co, Kinai, Kobe
56 cs, T M Duche & Sons, Kinai, Kobe
IMPURE PROD—10 cks, 5,178 lbs, Franklin Import & Export Co, Deutschland, Hamburg
ALCOHOL, DENATURED—1,093 dms, C P Chemical Solvents Co, Rosario, Ponce
ALOE—15 cs, J L Hopkins & Co, Aquitania, Southampton
ALUMINUM LEAF—39 cs, Rohner, Gehrig Co, Normandie, Havre
32 cs, F C Gerlach & Co, Europa, Bremen
288 cs, Globe Shipping Co, Europa, Bremen
5 cs, N J Laschow Co, Katsuragi, Osaka
AMBRETTE SEED—3 bgs, S B Penick & Co, Ingria, Marseilles
AMMONIA, SULPHATE—500 bgs, Bradley & Baker, Rotterdam, Rotterdam
SULPHOICHTHYOLATE—20 cs, Gane & Ingram, Normandie, Havre
AMMONIAC SAL—100 cks, Westernland, Antwerp
ANISE—25 bgs, J L Hopkins & Co, Ingria, Seville
STAR—134 bgs, S B Penick & Co, Ingria, Marseilles
ANNATTO SEED—50 bgs, J B Long & Co, Pastores, Kingston
ANTIMONY—500 bgs, Watson, Geach & Co, Yucatan, Vera Cruz
ORE—479 bgs, American Smelting & Refg Co, Santa Lucia, Arica
2,537 bgs, Bank of London South America, Santa Lucia, Mollendo
1,220 bgs, National Lead Co, Western World, Buenos Aires
546 bgs, Cauto, Tampico
ARNICA FLOWERS—13 bls, Alberta, Fiume
ARROWROOT—5 cs, 50 bbls, J P Smith & Co, Ansonia, London
ARSENIC—148 bbls, American Smelting & Refg Co, Cauto, Tampico
ARTISTS' MATERIAL—3 cs, Winsor & Newton, Ansonia, London
3 cs, Favor, Ruhl & Co, Ansonia, London
23 cs, Gallagher & Ascher, Rotterdam, Rotterdam
5 cs, Favor, Ruhl & Co, American Merchant, London
ASPHALT—1,080 bgs, A V Berner & Co, Seatrain New Orleans, Havana
1 car, A V Berner & Co, Seatrain New Orleans, Havana
2,112 bbls, 2,356 dms, Nerissa, Trinidad
BALSAM—10 cs, Geo Lueders & Co, Cacique, Cristobal
10 cs, Magnus, Mabee & Reynard, Cacique, Cristobal
BANANA POWDER—1 bg, Sanib Corp, Platano, Puerto Cortes
BARK, MEDICINAL—80 bgs, 8,800 lbs, P H Petry & Co, Deutschland, Hamburg
40 bgs, 4,400 lbs, R D Hines, Deutschland, Hamburg
BARYTES—2 cars, Whittaker, Clark & Daniels, Seatrain New York, Havana
BAY RUM—2 bbls, L P Weil, Nerissa, St Thomas
4 dms, Antonio Gojigas, Ponce, Ponce
BELLADONNA LEAVES—45 bls, McKesson & Robbins, Alberta, Fiume
BLACK—8 cks, Reichard Coulston, Rotterdam, Rotterdam
BLEACHING POWDER—305 dms, Kinai, Hankow
BONE ASH—10 cks, 1 ton, 10 cwt, C B Chrystal & Co, Kelso, Hull
BONES—1,444 bgs, Carababo, Curacao
BONEMEAL—544 bgs, Alberta, Fiume
BRISTLES—9 cs, Bank of London South America, Ansonia, London
22 cs, Chestnut, Cooper & Co, Ansonia, London
14 cs, American Trader, London
5 cs, Continental Bank Trust Co, American Trader, London
3 cks, American Trader, London
94 cs, Philadelphia Natl Bank, Kinai, Hankow
8 cs, Chase Natl Bank, Kinai, Kobe
55 cs, Tradesman's Natl Bank, Kinai, Kobe
50 cs, Bank of London South America, Kinai, Kobe
50 cs, Public Natl Bank Trust Co, Kinai, Kobe
56 cs, Kinai, Kobe
17 cs, F H Cone & Co, Eidsvold, Kobe
20 cs, F H Cone & Co, Eidsvold, Shanghai
3 cs, M Broverman & Son, Berengaria, Southampton
9 cs, F W Von Stade, Asosan, Kobe
4 cs, Philadelphia Natl Bank, President Harrison, Hongkong
10 cs, Iwai & Co, Katsuragi, Kobe
50 cs, F H Cone & Co, Katsuragi, Tientsin
10 cs, Alaunia, London
11 cs, Corn Exchange and Trust Co, American Merchant, London
5 cs, American Merchant, London
41 cs, 1 pkg, Chestnut, Cooper & Co, American Merchant, London
BRONZE POWDER—8 cs, 4,039 lbs, Heemsoth, Kerner Corp, Deutschland, Hamburg
19 cs, Europa, Bremen
2 cs, B F Drakenfeld & Co, Manhattan, Hamburg
BUCHU LEAVES—4 bls, Peek & Velsor, Ansonia, London
4 bls, Ansonia, London
CADMIUM—224 cs, Cairnmona, Antwerp
SULPHIDE—7 cks, 440 lbs, Pfaltz & Bauer, Deutschland, Hamburg
CALCIUM, CHLORIDE—2 cs, Eimer & Amend, Manhattan, Hamburg
FLUORIDE—1 cs, Eimer & Amend, Manhattan, Hamburg
CALCIUM NITRATE—200 bgs, Synthetic Nitrogen Product Corp, Topdalsfjord, Skien
CAMPHOR, REF'D—300 cs, McKesson & Robbins, Kinai, Kobe
248 cs, Mitsui & Co, Asosan, Kobe
CARAWAY SEED—536 bgs, 58,960 lbs, Amtorg Trading Corp, Turksib, Leningrad
100 bgs, 11,000 lbs, R L Friedler, Rotterdam, Rotterdam
100 bgs, 11,000 lbs, Durkee Famous Foods, Rotterdam, Rotterdam
CARDAMON — 43 cs, City of Eastbourne, Colombo
CASEIN—134 bgs, D C Andrews & Co, Deutschland, Hamburg
358 bgs, A Hurst & Co, Champlain, Havre
417 bgs, Balfour, Guthrie & Co, Southern Prince, Buenos Aires
834 bgs, American British Chemical Supplies, Southern Prince, Buenos Aires
CASSIA—500 pkgs, H P Winter & Co, Modoera, Padang
100 bls, B Fischer & Co, Asosan, Hongkong
100 bls, Frank Tea & Spice Co, Asosan, Hongkong
1,000 bls, Durkee Famous Foods, Asosan, Hongkong
610 bls, Van Loan & Co, Asosan, Hongkong
CELERY SEED—50 bgs, McKesson & Robbins, Ingria, Marseilles
25 bgs, S B Penick & Co, Ingria, Marseilles
25 bgs, Van Loan & Co, Ingria, Marseilles
60 bgs, Peek & Velsor, Ingria, Marseilles
200 bgs, Silverlarch, Bombay
25 bgs, Joensson Import Co, Exochorda, Marseilles
365 bgs, President Harrison, Bombay
50 bgs, O Gerdau Co, President Harrison, Marseilles
CHALK—800 bgs, Cairnmona, Antwerp
COMMOS—1,600 bgs, R L Watkins Co, American Trader, London
PRECIPITATED—1,000 bgs, 51 tons, 2 cwt, 1 qtr, 8 lbs, Colgate-Palmolive-Peet Co, Kelso, Hull
CHAMOIS—4 cs, American Sponge and Chamois Co, Manhattan, Havre
1 cs, J E Bernard & Co, Manhattan, Havre
CHEMICALS—14 bbls, 5,359 lbs, National City Bank, Deutschland, Hamburg
50 bbls, 6,600 lbs, Deutschland, Hamburg
480 bgs, 82,728 lbs, Sherka Chemical Co, Deutschland, Hamburg
2 cs, E Bilhuber, Deutschland, Hamburg
1 ck, 2 dms, Deutschland, Hamburg
6 cs, Schimmel & Co, Deutschland, Hamburg
2 bbls, Chas Happel, Deutschland, Hamburg
20 cks, 11,968 lbs, Premier Shipping Co, Deutschland, Hamburg
2 cs, American Express Co, Deutschland, Hamburg
4 pkgs, Fulton Dye and Import Co, Champlain, Havre
3 pkgs, Sandoz Chemical Works, Champlain, Havre
5 cs, Yardley & Co, Ansonia, London
6 pkgs, Merck & Co, Ansonia, Southampton
44 cs, Irving Trust Co, Ansonia, Southampton
17 cs, Ciba Co, Normandie, Havre
6 pkgs, Lo Curto & Funk, Normandie, Havre
5 cks, Stanley Doggett, Europa, Bremen
9 cs, Europa, Bremen
12 cs, 5 dms, General Dyestuff Corp, Europa, Bremen
6 dms, Chase National Bank, Europa, Bremen
3 cs, Eimer & Amend, Manhattan, Hamburg
720 bgs, Philipp Bros, Cairnmona, Antwerp
6 dms, Innis, Speiden & Co, Rotterdam, Rotterdam
38 cks, Royal Bank of Canada, Rotterdam, Rotterdam
1 cs, 2 cks, 11 dms, 1 jug, General Dyestuff Corp, Rotterdam, Rotterdam
2,200 bgs, 325 dms, Rotterdam, Rotterdam
100 cks, 2 cs, Advance Solvents & Chemical Co, Rotterdam, Rotterdam
125 kegs, R J Prentiss & Co, Rotterdam, Rotterdam
20 cks, 10 cs, American Bluefriesveen, Rotterdam, Rotterdam
95 bgs, African Metals Corp, Emile Francqui, Antwerp
50 bbls, 525 bgs, Philipp Bros, Emile Francqui, Antwerp
120 cs, American Express Co, Exochorda, Genoa
CHILLIES—200 bgs, Joenson Import Corp, Eidsvold, Kobe
336 bgs, Irwin, Harrison & Whitney, Asosan, Kobe
224 bgs, Volkart Bros, Asosan, Kobe
CHINA CLAY—15 cs, E Fougera & Co, Alaunia, London
22 cs, Meadows, Wye & Co, Alaunia, London
CHROME ORE—1 bg, Bowring & Co, American Trader, London
1 cs, International Selling Corp, President Harrison, Manila
CHRYSAROBIN—2 cs, Merck & Co, Ansonia, London
CINNAMON QUILLS—350 bls, Malayan Prince, Colombo
220 bls, City of Eastbourne, Colombo
400 bls, President Harrison, Colombo
CLAY—450 bgs, 99,000 lbs, W Manley, Deutschland, Hamburg
400 bgs, 66,000 lbs, Reichard-Coulston, Deutschland, Hamburg
500 bgs, Whittaker, Clark & Daniels, Boston City, Bristol
REFRACTORY—10,000 bgs, D De Gorter, Emile Francqui, Antwerp
CLOVE BLOSSOMS—6 bls, Amtorg Trading Corp, Turksib, Leningrad
CLOVES—120 bgs, H P Winter & Co, Modoera, Padang
59 bls, Catz American, Malayan Prince, Macassar
COALTAR INTERMEDIATES—8 cks, Sandoz Chem Works, Europa, Bremen
37 dms, 1 cs, General Dyestuff Corp, Europa, Bremen
18 cks, General Aniline Works, Rotterdam, Rotterdam
61 dms, 50 tons, 203 cks, General Dyestuff Corp, Rotterdam
COATING MASS—105 bgs, 23,678 lbs, Deutschland, Hamburg
COCOA BEANS—750 bgs, Wessel, Duval & Co, Cacique, Cristobal
150 bgs, Irving Trust Co, Carabobo, La Guaira
150 bgs, Wessel, Duval & Co, Quirigua, Puerto Limon
200 bgs, Curacao Trading Co, Quirigua, Puerto Limon
500 bgs, A A Lundo, Quirigua, Porto Limon
500 bgs, Quirigua, Porto Limon
COCOA BEANS—5,820 bgs, Fruit Dispatch Co, San Mateo, Havana
1,000 bgs, National City Bank, Bencas, Ilheos
1,000 bgs, National City Bank, Bencas, Ilheos
3,000 bgs, Bankers Trust Co, Bencas, Ilheos
7,000 bgs, Bencas, Ilheos
3,000 bgs, First Nat Bank, Bencas, Bahia
2,000 bgs, Corn Exchange Bank, Bencas, Bahia
1,100 bgs, Gordon, Grant & Co, Southern Prince, Trinidad
250 bgs, Southern Prince, Trinidad
1,054 bgs, National City Bank, Ingria, Lisbon
11,200 bgs, Balfour, Guthrie & Co, West Humhaw, Takoradi
1,440 bgs, Balfour, Guthrie & Co, West Humhaw, Saltpond
1,760 bgs, Balfour, Guthrie & Co, West Humhaw, Cape Coast
6,058 bgs, Balfour, Guthrie & Co, West Humhaw, Lagos
2,400 bgs, Busi & Stephenson, West Humhaw, Winneba
24,000 bgs, Bank of London South America, West Humhaw, Takoradi
8,000 bgs, Bank of London South America, West Humhaw, Accra
800 bgs, Standard Bank South Africa, West Humhaw, Accra
800 bgs, Busi & Stephenson, West Humhaw, Accra
4,800 bgs, Balfour, Guthrie & Co, West Humhaw, Accra
1,302 bgs, Balfour, Guthrie & Co, West Humhaw, Lagos
2,394 bgs, Busi & Stephenson, West Humhaw, Lagos
2,465 bgs, Bankers Trust Co, West Humhaw, Grand Passam
2,265 bgs, West Humhaw, Sassandra
1,102 bgs, Balfour, Guthrie & Co, New Columbia, Lagos
1,600 bgs, Balfour, Guthrie & Co, New Columbia, Accra
347 bgs, New Columbia, Kribi
680 bgs, Superintendence Co, New Columbia, Lagos
1,454 bgs, Cie Francaise de l'Afrique Occid, New Columbia, Winneba
1,600 bgs, Barclay Bank, New Columbia, Saltpond
722 bgs, Cie Francaise de l'Afrique Occid, New Columbia, Saltpond
700 bgs, Curacao Trading Co, Coamo, Ciudad Trujillo
1,000 bgs, Nerissa, Trinidad
550 bgs, Nerissa, Grenada
50 bgs, Middleton & Co, Nerissa, Dominica
250 bgs, Buenaventura, S P ports
286 bgs, Medea, Puerto Cabello
450 bgs, W & A Leaman, Medea, Jeremie
360 bgs, Schulte & Focke, Medea, Jeremie
187 bgs, Medea, Jeremie
95 bgs, Curacao Trading Co, Medea, Jeremie
130 bgs, Struller & Wood, Medea, Jeremie
260 bgs, Struller & Wood, Medea, Petit Goave
50 bgs, Medea, Port de Paix
43 bgs, Lopez & Mangual, Tachira, Maracaibo
475 bgs, Machados & Co, Ponce, Porto Plata
500 bgs, Curacao Trading Co, Ponce, Porto Plata
300 bgs, Porcelli, Vicini & Co, Ponce, Porto Plata
200 bgs, Royal Bank of Canada, Ponce, Porto Plata
1,447 bgs, Curacao Trading Co, Ponce, Sanchez
500 bgs, Wessel, Kulenkampf & Co, Ponce, Sanchez
661 bgs, Killespie & Co, Ponce, Sanchez
COCONUTS—62 bgs, 6,200 lbs, I L Toledano Corp, Coamo, San Juan
450 bgs, 45,000 lbs, General Foods, Pastores, Cristobal
3,566 bgs, 356,600 lbs, General Foods, Pastores, Kingston
948 bgs, 94,800 lbs, A N Leakway & Co, Pastores, Kingston
650 bgs, 65,000 lbs, General Foods, Nerissa, British Guiana
980 bgs, 98,000 lbs, Durkee Famous Foods, Nerissa, Trinidad
519 bgs, 51,900 lbs, Durkee Famous Foods, Nerissa, St Vincent
17 bgs, 1,700 lbs, F S Maynard & Co, Nerissa, St Lucia
712 bgs, 71,200 lbs, Durkee Famous Foods, Nerissa, St Lucia
266 bgs, 26,600 lbs, I L Toledano Corp, Buenaventura, Colon
197 bgs, 19,700 lbs, J Simon & Co, Rosario, Mayaguez
547 bgs, 54,700 lbs, General Foods, Rosario, Mayaguez
2,035 bgs, 203,500 lbs, General Foods, Rosario, San Juan
795 bgs, 795 lbs, General Foods, Calamares, Kingston
COCONUT DESIC—500 cs, Wood & Selick, President Harrison, Manila
COLCHICUM SEED—17 bls, Alberta, Fiume
COLUMBITE ORE—840 bgs, W H Sneath, New Columbia, Port Harcourt
COLORS—1 cs, L R Sartorius, Champlain, Havre
CADMIUM—8 bbls, 915 lbs, Hensel, Bruckman & Lorbacher, Deutschland, Hamburg
DRY—30 bbls, Stanley Doggett, Exochorda, Genoa
INDIGO—42 kgs, Carbic Color & Chem Co, Manhattan, Basle
2 dms, General Dyestuff Corp, Rotterdam, Rotterdam
MINERAL—225 bgs, 5 cks, Robinson Wagner Co, Ansonia, London
COPRA MEAL—4,000 bgs, Philippine Refg Co, Asosan, Cebu
CORIANDER SEED—100 bgs, P H Petry Co, Ingria, Marstilles
CORK—37 cs, Cork Import Co, Champlain, Havre
10 bls, Wekling Cheever, Champlain, Havre
82 bls, L Mundet & Sons, Ingria, Lisbon
SHAVINGS—380 bls, Wicander & Co, Ingria, Lisbon
WASTE—581 bls, Ingria, Lisbon
1,650 bls, Crown Cork Seal Co, Ingria, Lisbon
1,870 bls, Brown Bros, Harriman Co, Ingria, Lisbon
4,761 bls, L Mundet Sons & Co, Ingria, Lisbon
350 bls, F F Wilkins, Exchorda, Marseilles
120 bls, H Suhl, Alberta, Algiers
WOOD—500 bls, L Mundet & Sons, Ingria, Lisbon
435 bls, Chase Nat Bank, Ingria, Lisbon
325 bls, Central Hanover Bank Trust Co, Ingria, Lisbon
531 bls, Wicander & Co, Ingria, Lisbon
1,168 bls, Ingria, Lisbon
116 bls, H Suhl, Alberta, Algiers
COTTON LINTERS—100 bls, Canto, Tampico
CUBEBS—27 bgs, President Harrison, Singapore
CUMIN SEED—20 bgs, Central Vermont R R, Ingria, Casablanca
334 bgs, P H Petry & Co, Ingria, Casablanca
CUTCH—3,259 bgs, Philippine Cutch Corp, President Harrison, Manila
CUTTLEFISH BONES—100 cs, Peek & Velsor, Ingria, Marseilles
200 cs, American Cuttlefish Bones Co, Ingria, Marseilles
DANDELION ROOT—5 bgs, McKesson & Robbins, Alberta, Fiume
DERRIS ROOT—2 bgs, Goodyear Tire & Rubber Co, Buenaventura, Colon
DEXTRIN—10 bgs, Benson & Co, Manhattan, Havre
DIBUTYLAMINE—5 dms, Advance Solvents & Chem Co, Rotterdam, Rotterdam
DICHLORHYDRIN—1 cs, 114 lbs, Pfaltz & Bauer, Deutschland, Hamburg
DRUGS, CRUDE—10 cs, Goldman Sachs & Co, Champlain, Havre
4 cs, American Merchant, London
DYES, ALIZARIN—2 cks, 4 dms, General Dyestuffs Corp, Europa, Bremen
10 dms, 59 jugs, 93 cks, General Dyestuff Corp, Rotterdam, Rotterdam
ANILIN—11 cs, J E Bernard & Co, Deutschland, Hamburg
46 bbls, Carbic Color & Chem Co, Champlain, Havre
30 pkgs, Sandoz Chem Works, Champlain, Havre
70 pkgs, Ciba Co, Champlain, Havre
20 pkgs, Geigy Co, Champlain, Havre
12 cks, Geigy Co, Europa, Bremen
17 dms, 61 cks, 1 cs, Sandoz Chem Works, Europa, Bremen
1 cs, 8 dms, 6 cks, General Dyestuff Corp, Europa, Bremen
2 cs, 37 dms, 216 cks, General Dyestuff Corp, Rotterdam, Rotterdam
11 kgs, L & R Organic Prod Co, Rotterdam, Rotterdam
CONGO RED—40 dms, Amtorg Trading Corp, Turksib, Leningrad
EGG YOLK, HEN—224 cs, Joe Lowe, Kinai, Kobe
112 cs, Consumers Import Co, Kinai, Kobe
56 cs, Wood & Selick, Katsuragi, Tientsin
112 cs, Importers Com Co, Katsuragi, Tientsin
112 cs, J Lowe, Katsuragi, Tientsin
ERGOT—29 cs, F W Berk & Co, American Trader, London
34 cs, F W Berk & Co, Rotterdam, Rotterdam
EUCALYPTUS LEAVES—27 bgs, Peek & Velsor, Ingria, Seville
27 bgs, J L Hopkins & Co, Ingria, Seville
EYE BRIGHT HERBS—3 bls, Alberta, Fiume
FENNEL SEED—50 bgs, President Harrison, Bombay
FENUGREEK SEED—10 bgs, Central Vermont R R, Ingria, Casablanca
FILTER PAPER—3 cs, Deutschland, Hamburg
3 cs, H Reeve, Angel & Co, Ansonia, London
9 cs, H Reeve, Angel & Co, Alaunia, London
3 cs, American Merchant, London
FISHMEAL—2,000 bgs, Mitsui & Co, Asosan, Kobe
FLAXSEED—7,354 tons, 294,160 bu, Flint 2, Necochea
FLEASEED—20 bgs, McKesson & Robbins, Ingria, Marseilles
150 bgs, R J Prentiss & Co, Ingria, Marseilles
50 bgs, Kachurin Drug Co, Ingria, Marseilles
50 bgs, R J Prentiss & Co, Ingria, Marseilles
25 bgs, Peek & Velsor, Exochorda, Marseilles
90 bgs, Kachurin Drug Co, Exochorda, Marseilles
80 bgs, L A Champon, Exochorda, Marseilles
140 bgs, S B Penick & Co, President Harrison, Bombay
232 bgs, President Harrison, Bombay
150 bgs, R J Prentiss & Co, President Harrison, Marseilles
40 bgs, Kachurin Drug Co, President Harrison, Marseilles
FULLER'S EARTH—250 bgs, L A Salomon & Bros, Boston City, Bristol
GAMBIER—240 bgs, Chase Natl Bank, Steel Navigator, Singapore
425 cs, American Dyewood Co, Malayan Prince, Belawan
GELATIN—17 cs, International Selling Corp, Normandie, Havre
40 bgs, International Selling Corp, Champlain, Havre
GLASS, PLATE—14 cs, Globe Shipping Co, Deutschland, Hamburg
22 cs, S A Bendheim Co, Manhattan, Hamburg
WINDOW—6 cs, Leo Popper & Son, Deutschland, Hamburg
17 cs, Vitrea Co, Manhattan, Hamburg
5 pkgs, Globe Shipping Co, Manhattan, Hamburg
98 cs, L Solomon & Son, Manhattan, Hamburg
114 cs, J H Werberosky & Sons, Manhattan, Hamburg
2,663 cs, Vitrea Co, Manhattan, Hamburg
2,000 cs, Schrenk & Co, Cairnmona, Antwerp
625 cs, Cairnmona, Antwerp
2,705 cs, Libbey, Owens, Ford Glass Co, Cairnmona, Antwerp
25 cs, American Express Co, Westernland, Antwerp
2,000 cs, Schrenk & Co, Emile Francqui, Antwerp
125 cs, Greater N Y Glass Co, Emile Francqui, Antwerp
500 cs, J H Faunce, Emile Francqui, Antwerp
2,997 cs, Libbey, Owens, Ford Glass Co, Emile Francqui, Antwerp
GLUE—40 bls, International Selling Corp, Champlain, Havre
300 bgs, Gallagher & Ascher, Ansonia, London
20 bls, International Selling Corp, Normandie, Havre
32 bgs, Rex & Reynolds, Exochorda, Marseilles
POWD—100 bgs, 1 cs, Rex & Reynolds, President Harrison, Marseilles
GLYCERIN—20 dms, Deutschland, Hamburg
65 dms, 35 tons, 19 cwt, 3 qtrs, 7 lbs, Armour Soap Works, Kelso, Hull
60 dms, Ingria, Marseilles
100 bbls, Colgate, Palmolive, Peet Co, Ingria, Marseilles
19 dms, Boston City, Bristol
GRAPHITE—250 bgs, Champlain, Havre
265 bgs, C E Pettinos, Silverlarch, Vatomandry
626 bgs, Asbury Graphite Mills, Silverlarch, Tamatave
625 bgs, J Dixon Crucible Co, Silverlarch, Tamatave
813 bgs, Silverlarch, Tamatave

GRAPHITE—1,274 bgs, Asbury Graphite Mills, President Harrison, Colombo
GUM ARABIC—14 bgs, Ingria, Casablanca
250 bgs, S B Penick & Co, Silverlarch, Port Sudan
150 bgs, National Adhesive Corp, Silverlarch, Port Sudan
25 bgs, Paul A Dunkel & Co, Silverlarch, Port Sudan
149 bgs, Innis, Speiden & Co, Silverlarch, Port Sudan
100 bgs, Silverlarch, Port Sudan
ASAFETIDA—12 cs, R J Prentiss & Co, City of Eastbourne, Aden
30 bgs, Murray & Nickells Mfg Co, City of Eastbourne, Aden
10 cs, Peek & Velsor, City of Eastbourne, Aden
BENZOIN—50 cs, Silverlarch, Belawan Deli
CAROB BEAN—5 cs, Paul A Dunkel & Co, Exochorda, Genoa
50 bgs, T M Duche & Sons, Exochorda, Genoa
20 bgs, Exochorda, Genoa
10 cs, 50 bgs, Innis, Speiden & Co, Exochorda, Genoa
CHICLE — 14 bls, Chicle Development Co, Calamares, Kingston
3,754 bls, Mexican Exploitation Co, Cauto, Cozomel
COPAL—600 bgs, O G Innes Corp, Cairnmona, Antwerp
180 bgs, France, Campbell & Darling, Cairnmona, Antwerp
20 bgs, S Winterbourne & Co, Cairnmona, Antwerp
100 bgs, Thurston & Braidich, Cairnmona, Antwerp
806 bgs, Westernland, Antwerp
259 baskets, L N Jackson & Co, Malayan Prince, Macassar
278 baskets, France, Campbell & Darling, Malayan Prince, Macassar
983 bgs, O G Innes Corp, Malayan Prince, Macassar
430 baskets, Stroock & Wittenberg, Malayan Prince, Macassar
203 baskets, S Winterbourne & Co, Malayan Prince, Macassar
70 bgs, O G Innes Corp, City of Eastbourne, Colombo
340 bgs, O G Innes Corp, Emile Francqui, Antwerp
DAMMAR — 140 bgs, Gillespie-Rogers-Pyatt Co, Steel Navigator, Singapore
210 bgs, Manufacturers' Trust Co, Steel Navigator, Singapore
100 cs, Gillespie-Rogers-Pyatt Co, Modoera, Batavia
50 cs, France, Campbell & Darling, Modoera, Batavia
100 bgs, Modoera, Batavia
100 cs, O G Innes Corp, Modoera, Padang
8 cs, Gillespie-Rogers-Pyatt Co, Modoera, Singapore
150 cs, L N Jackson & Co, Malayan Prince, Singapore
280 bgs, O G Innes Corp, Malayan Prince, Singapore
50 cs, 455 bgs, G W S Patterson & Co, Malayan Prince, Singapore
200 bgs, 150 cs, Stroock & Wittenberg, Malayan Prince, Batavia
200 cs, O G Innes Corp, Malayan Prince, Batavia
650 cs, Sino Java Hvg, Malayan Prince, Batavia
1 bg, Joosten & Janssen, Malayan Prince, Batavia
64 bgs, France, Campbell & Darling, Malayan Prince, Macassar
50 cs, G W S Patterson & Co, City of Eastbourne, Colombo
50 cs, 70 bgs, France, Campbell & Darling, President Harrison, Singapore
210 bgs, Gillespie-Rogers-Pyatt Co, President Harrison, Singapore
210 bgs, Thurston & Braidich, President Harrison, Singapore
100 cs, 384 bgs, S Winterbourne & Co, President Harrison, Singapore
210 bgs, President Harrison, Singapore
ELEMI—135 cs, Import Buyers Co, President Harrison, Manila
GAMBOGE—10 cs, President Harrison, Singapore
INDUSTRIAL—40 bgs, Stein, Hall & Co, Ingria, Nice
30 cs, Innis, Speiden & Co, Ingria, Marseilles
20 cs, A F Cofod & Co, Ingria, Marseilles
KARAYA—293 bgs, Innis, Speiden & Co, President Harrison, Bombay
344 bgs, President Harrison, Bombay
40 bgs, City of Eastbourne, Colombo
100 bgs, S Gumper & Co, President Harrison, Bombay
98 bgs, Frank Vliet Co, President Harrison, Bombay
127 bgs, Orbis Product Corp, President Harrison, Bombay
28 bgs, Paul A Dunkel & Co, President Harrison, Bombay
MASTIC—10 cs, Bank of Greece, President Harrison, Port Said
MYRRH—5 cs, City of Eastbourne, Aden
PERILLA—24 pkgs, Chicle Development Co, Pastores, Puerto Colombia
15 bgs, Chicle Development Co, Buenaventura, Colon
SANDARAC—13 bbls, R H Elmaheb, Ingria, Casablanca

H. A. GOGARTY, Inc.
23 YEARS OF SPECIALIZED SERVICE
EXPORTS
SHIPPING
CUSTOMS
BROKERS
15 MOORE ST., NEW YORK

GUM, TRAGACANTH—25 cs, President Harrison, Marseilles
5 cs, 9 bgs, A D Isbetcherian, President Harrison, Marseilles
GYPSUM—5,350 tons, U S Gypsum Co, Gypsum Prince, Windsor
4,925 tons, U S Gypsum Co, Gypsum Empress, Windsor
HERBS, MEDICINAL—4 cs, Barclay Bank, Europa, Bremen
9 bls, Cairnmona, Antwerp
HOPS—25 bls, Bode & Voight, Deutschland, Hamburg
6 cyl, Ludwig Baer, Deutschland, Hamburg
100 bls, S S Steiner, Deutschland, Hamburg
61 bls, Guaranty Trust Co, Manhattan, Hamburg
16 bls, Heemsoth, Kerner Corp, Manhattan, Hamburg
IRISH MOSS—13 bls, R J Prentiss & Co, Champlain, Havre
10 bgs, Peek & Velsor, Normandie, Havre
250 bls, S B Penick & Co, Normandie, Havre
100 bls, C H Reisig, Champlain, Havre
50 bls, Innis, Speiden & Co, Champlain, Havre
146 bls, Champlain, Havre
IRON CHLORIDE—150 cks, 65,670 lbs, Philipp Bros, Deutschland, Hamburg
ORE—6,892 tons, Leonard J Buck, Laponia, Narvik
OXIDE—25 cks, J Lee Smith & Co, Kelso, Hull
100 bbls, 160 bgs, G M Collins & Co, Boston City, Bristol
ISINGLASS—5 cs, Amtorg Trading Corp, Turksib, Leningrad
KAMALA—108 bgs, Silverlarch, Bombay
KOLA NUTS—34 bgs, J G Paton & Co, Pastores, Kingston
LARKSPUR SEED—7 bgs, S B Penick & Co, Ingria, Marseilles
LICORICE PASTE—5 cs, Alberta, Catania
ROOT—193 pkgs, Amtorg Trading Corp, Turksib, Leningrad
40 bgs, Alberta, Catania
LITHOPONE—392 cks, Benj Moore & Co, Rotterdam, Rotterdam
MACE—25 cs, H P Winter & Co, Modoera, Padang
61 cs, B H Old & Co, Malayan Prince, Macassar
MAGNESIA, SILICATE—3 cks, Meadows, Wye & Co, Alaunia, London
MANGROVE BARK EXTRACT—1,000 bgs, Malayan Prince, Singapore
MANNA—35 cs, Alberta, Palermo
MATCHES, SAFETY — 16,562 cs, Amtorg Trading Corp, Turksib, Leningrad
249 pkgs, Westernland, Antwerp
MEDICINAL PREP'S—39 cs, E Fougera & Co, Champlain, Havre
46 cs, G J Wallau, Manhattan, Havre
4 cs, Gane Chemical Works, Champlain, Havre
4 cks, Hoffman La Roche, Champlain, Havre
2 bbls, C L Huisking & Co, Rotterdam, Rotterdam
20 cs, W L Newberry, Exochorda, Genoa
4 cs, Burroughs, Wellcome & Co, Alaunia, London
MENTHOL—25 cs, McKesson & Robbins, Asosan, Kobe
MICA—76 cs, Trust Co of North America, Southern Prince, Santos
8 cs, First National Bank of Boston, Southern Prince, Rio de Janeiro
15 cs, Trust Co of North America, Southern Prince, Rio de Janeiro
14 cs, Corn Exchange Bank, Western World, Rio de Janeiro
11 cs, Trust Co of North America, Western World, Rio de Janeiro
19 cs, Otto Gerdau Co, American Merchant, London
BLOCK—42 cs, City of Eastbourne, Calcutta
SPLITTINGS—308 cs, General Electric Co, City of Eastbourne, Calcutta
100 cs, Philadelphia National Bank, City of Eastbourne, Calcutta
MILK POWD—330 bgs, Rotterdam, Rotterdam
MINERAL WHITE—100 bgs, 10 tons, Whittaker, Clark & Daniels, Kelso, Hull
200 bgs, 9 tons, 20 cwt, Hammill & Gillespie, Kelso, Hull
250 bgs, 25 tons, C B Chrystal & Co, Kelso, Hull
MOLASSES—18,209 gls, Olavarria & Co, Seatrain New Orleans, Havana
8,857 gls, Seatrain New Orleans, Havana
850 tons, W R Grace & Co, Santa Lucia, Salaverry
235 tons, W R Grace & Co, Santa Lucia, Supe
MYROBALANS—5,000 pockets, National City Bank, City of Eastbourne, Calcutta
EXTRACT—500 bgs, 25 tons, International Product Corp, Kelso, Hull
NAPHTHALENE—370 bgs, Calco Chemical Co, Boston City, Bristol
220 bgs, F B Bertrand, Jr, Boston City, Bristol
NICOTINE SULPHATE—110 dms, Standard Trading Co, Turksib, Lenningrad
NIGER SEED—268 bgs, City of Eastbourne, Colombo
NUTGALLS—525 bgs, Philadelphia National Bank, Kinai, Hankow
NUTMEGS—468 bgs, H P Winter & Co, Modoera, Padang
242 bgs, B H Old & Co, Malayan Prince, Macassar
100 bgs, Middleton & Co, Nerissa, Grenada
200 bgs, Nerissa, Grenada
NUX VOMICA—200 bgs, Norton Lilly & Co, City of Eastbourne, Cocanada
200 bgs, City of Eastbourne, Colombo
OCHER—20 dms, Stanley Doggett, Ingria, Marseilles
75 bbls, J Lee Smith & Co, Ingria, Marseilles
88 bgs, 113 cks, Reichard Coulston, Exochorda, Marseilles
OIL, ALMOND—11 cs, Ungerer & Co, Ansonia, London
3 cs, Dodge & Olcott Co, Ansonia, London
15 cs, Albert Verley, Ingria, Marseilles
ANISE—8 dms, American Trader, London
5 dms, Orbis Product Corp, President Harrison, Hongkong
10 dms, Ungerer & Co, President Harrison, Hongkong
5 dms, W J Bush & Co, President Harrison, Hongkong

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

OIL, BAY—13 cs, Barclay Bank, Nerissa, Dominica
10 cs, D Steengrafe, Rosario, Arroyo
CAMPHOR—40 dms, Ungerer & Co, Katsuragi, Keeling
5 dms, Geo Lueders & Co, Katsuragi, Keelung
5 dms, Lautier Fils, Katsuragi, Keelung
CARAWAY—25 dms, Fries Bros, Asosan, Kobe
50 dms, Orbis Product Corp, Asosan, Kobe
20 dms, Mitsui & Co, Asosan, Kobe
CHINAWOOD—6 dms, National City Bank, Kinai, Shanghai
175 tons, Chase Nat Bank, Kinai, Hankow
300 tons, National City Bank, Kinai, Hankow
266 dms, Charles Gitlan & Co, Asosan, Hongkong
CINNAMON LEAF—4 dms, Volkart Bros, President Harrison, Colombo
5 dms, National City Bank, President Harrison, Colombo
17 dms, R C Treatt & Co, American Merchant, London
10 dms, American Merchant, London
CITRONELLA—22 dms, Silverlarch, Colombo
20 dms, Brown Bros Harriman Co, Modoera, Batavia
18 dms, Modoera, Batavia
40 dms, Chase Nat Bank, Modoera, Batavia
12 dms, National City Bank, Modoera, Batavia
4 dms, Catz American Co, Modoera, Batavia
6 dms, J H Vavasseur & Co, Malayan Prince, Colombo
12 dms, Stein, Hall & Co, Malayan Prince, Batavia
6 dms, Brown Bros Harriman Co, City of Eastbourne, Colombo
CLOVE—11 dms, French Line, City of Eastbourne, Port Said
8 dms, New York Trust Co, Silverlarch, Tamatave
COCONUT—616 tons, Colgate-Palmolive-Peet Co, Malayan Prince, Cebu
1,086 tons, Philippine Refg Co, Asosan, Cebu
20 cyls, Volkart Bros, President Harrison, Colombo
1,280 tons, Katsuragi, Manila
COD—50 dms, Deutschland, Hamburg
150 dms, Topdalsfjord, Oslo
600 dms, E M Javitz & Son, Topdalsfjord, Aalesund
450 cks, Topdalsfjord, Bergen
49 dms, Kinai, Kobe
CODLIVER—394 dms, McKesson & Robbins, Kelso, Hull
600 dms, Consumers Import Co, Kelso, Hull
25 dms, P R Dreyer, Topdalsfjord, Aalesund
120 dms, Topdalsfjord, Bergen
500 dms, McKesson & Robbins, Topdalsfjord, Bergen
100 dms, R J Prentiss & Co, Topdalsfjord, Bergen
14 dms, Kinai, Kobe
CORN—35 dms, Cairnmona, Antwerp
100 dms, Westernland, Antwerp
232 dms, Boston City, Bristol
35 dms, N C Littauer, Emile Francqui, Antwerp
50 dms, American Merchant, London
COTTONSEED — 801,033 kilos, Exhibitor, Alexandria
891,033 kilos, Exochorda, Alexandria
ESSENTIAL—63 cs, Champlain, Havre
5 cs, Ansonia, London
12 pkgs, Ansonia, Southampton
57 pkgs, Normandie, Havre
1 cs, Europa, Bremen
1 cs, American Trader, London
8 cs, Ingria, Marseilles
1 cs, Berengaria, Southampton
2 cs, Berengaria, Havre
47 pkgs, Exochorda, Marseilles
42 pkgs, President Harrison, Marseilles
6 pkgs, American Merchant, London
FISH LIVER—6 dms, Kinai, Kobe
7 dms, Erdsvold, Yokohama
FUEL—61,105 bbls, Mexican Petroleum Corp, Cymbeline, Aruba
108,100 bbls, Standard Oil Co of N J, Peter Hurll, Aruba
66,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
105,490 bbls, Standard Oil Co of N J, J H Senior, Cartagena
GERANIUM—17 dms, French Line, City of Eastbourne, Aden
GREASE—90 bbls, Robinson, Wagner Co, Eidsvold, Kobe
HO—26 dms, Eric Coupey, Asosan, Kobe
JUNIPER—5 cs, Magnus, Mabee & Reynard, President Harrison, Genoa
LAVENDER—10 bbls, Albert Verley, Ingria, Marseilles
2 dms, Fritzsche Bros, Exochorda, Marseilles
1 cs, Yardley & Co, Alaunia, London
LEMON—25 qr cs, J L Hopkins & Co, Alberta, Messina
40 qr cs, Alberta, Messina
LIME—1 dm, Yardley & Co, Ansonia, London
4 cs, Southern Prince, Trinidad
10 cs, Merritt & Critchley, Nerissa, Antigua
1 cs, F S Maynard & Son, Nerissa, Montserrat
5 cs, Dodge & Olcott Co, Nerissa, Montserrat
LUBRICATING—6 dms, C C Wakefield & Co, Ansonia, London
100 dms, Cairnmonia, Antwerp
MINERAL—100 dms, Heemsoth, Kerner Corp, Deutschland, Hamburg
OITICICA—1 cs, Southern Prince, Rio de Janeiro
OLIVE—40 cs, Ansonia, London
300 dms, Leghorn Trading Co, Ingria, Seville
47 cs, Ingria, Nice
50 bbls, Ingria, Marseilles
60 dms, La Manna Azema & Farnan, Berengaria, Southampton
95 cs, Berengaria, Southampton
50 dms, E M Sergeant Pulp & Chem Co, Exochorda, Piraeus
50 dms, New Brunswick Laboratories, Exochorda, Piraeus
670 cs, Exochorda, Leghorn
1,685 cs, Exochorda, Genoa
50 dms, Atlantic & Pacific Tea Co, Exochorda, Marseilles
50 cs, Exochorda, Marseilles
1,395 cs, President Harrison, Genoa
25 cs, Presiden Harrison, Marseilles
30 dms, Great Atlantic & Pacific Tea Co, President Harrison, Marseilles
10 cs, Alberta, Messina
26 cks, Colombo Co, Alberta, Palermo
8 cks, American Shipping Co, Alberta, Palermo
16 cks, General Shipping & Trading Co, Alberta, Palermo
14 cks, F Buffa, Alberta, Palermo
18 cks, 127 cs, Alberta, Palermo
OLIVE SULPHUR—150 bbls, E M Sergeant Pulp & Chem Co, Ingria, Lisbon
Quantity Guaranty Trust Co, Alberta, Messina
ORANGE—2 cs, Dodge & Olcott Co, American Merchant, London
2 dms, Fritzsche Bros, Ingria, Seville
41 cs, Magnus, Mabee & Reynard, Coamo, San Juan
10 cs, Magnus, Mabee & Reynard, Calamares, Kingston
20 cs, Baclay Bank, Calamares, Kingston
2 hlf cs, C L Huisking & Co, Alberta, Messina
ORIGANUM—4 dms, Lo Curto & Funk, Exochorda, Beyrouth

OIL, PALM—468 dms, Balfour, Guthrie & Co, Kelso, Hull
680 tons, Banque Belge pour l'Etranger, Steel Navigator, Belawan
1,015 tons, Van Leuwen Boomkamp & Co, Modoera, Belawan
377 tons, Banque Belge pour l'Etranger, Malayan Prince, Belawan
42 cks, Balfour, Guthrie & Co, West Humhaw, Burutu
924 tons, Balfour, Guthrie & Co, West Humhaw, Matadi
PINESEEDLE—25 dms, Atlantic White Sea & Baltic Co, American Trader, London
POPPYSEED—2 bbls, Fezandie & Sperrle, Champlain, Havre
POLLAK LIVER—153 dms, Emy, Eidsvold, Yokohama
RESIDUE—2 cs, 140 dms, Deutschland, Hamburg
SAFROL—10 dms, Mitsui & Co, Asosan, Kobe
SASSAFRAS—23 dms, McKesson & Robbins, Kinai, Kobe
SOD—75 cks, 19 dms, 4 cwt, 1 qtr, 12 lbs, Kelso Hull
TEASEED—50 dms, Kinai, Canton
TURTLE—2 cks, United Africa Co, President Harrison, Bombay
VEGETABLE—50 dms, W R Grace & Co, Asosan, Kobe
VETIVER—2 dms, French Line, City of Eastbourne, Aden
2 dms, J Manheimer, President Harrison, Marseilles
OPIUM—3 cs, Eli Lilly & Co, Berengaria, Southampton
PAINT—4 cs, International Forwarding Co, American Trader, London
PALMKERNEL—4,032 bgs, G B Ollivant, New Columbia, Lagos
2,565 bgs, Balfour, Guthrie & Co, New Columbia, Lome
6,250 bgs, New Columbia, Port Bouet
PAPAIN—28 pkgs, Dodwell & Co, City of Eastbourne, Colombo
15 cs, President Harrison, Singapore
10 cs, J L Hopkins & Co, President Harrison, Colombo
9 cs, American Merchant, London
PAPRIKA—110 bgs, Deutschland, Hamburg
PEATMOSS—1,350 bls, Deutschland, Hamburg
2,374 bls, Premier Peatmoss Corp, Topdalsfjord, Oslo
766 bls, Premier Peatmoss Corp, Topdalsfjord, Oslo
PEPPER, BLACK—324 bgs, C T Wilson & Co, Silverlarch, Oosthaven
243 bgs, B H Old & Co, Silverlarch, Oosthaven
750 bgs, Irving Trust Co, Silverlarch, Oosthaven
486 bgs, Commodities Trading Corp, Silverlarch, Oosthaven
1,944 bgs, Catz American Co, Steel Navigator, Batavia
971 bgs, Modoera, Batavia
15,486 bgs, Modoera, Oosthaven
1,458 bgs, Modoera, Batavia
2,897 bgs, Modoera, Oosthaven
501 bgs, Modoera Soengeiliat
2,000 bgs, Irving Trust Co, Malayan Prince, Telok Betong
328 bgs, Malayan Prince, Telok Betong
750 bgs, Irving Trust Co, Malayan Prince, Batavia
2,458 bgs, Malayan Prince, Batavia
574 bgs, Catz American Co, Malayan Prince, Telok Betong
420 bgs, Irving Trust Co, Malayan Prince, Telok Betong
1,296 bgs, Commodities Trading Corp, Silverlarch, Oosthaven
2,000 bgs, Irving Trust Co, Silverlarch, Oosthaven
9,308 bgs, Silverlarch, Oosthaven
50 bgs, American Merchant, London
WHITE—891 bgs, Catz American Co, Malayan Prince, Telok Betong
240 bgs, C T Wilson & Co, Katsurage, Singapore
PETROLEUM, CRUDE—69,732 bbls, Gulf Oil Co, El Grillo, Las Piedras
PHENOL—100 dms, Amtorg Trading Corp, Turksib, Leningrad
PITCH, STEARIN—179 dms, A V Berner & Co, Kelso, Hull
56 dms, J J Garvin, Kelso, Hull
112 dms, Leitch Mfg Co, Kelso, Hull
POPPYSEED—200 bgs, 22,000 lbs, R L Friedler, Rotterdam, Rotterdam
POTASH, CARBONATE—98 cks, 71,546 lbs, Innis, Speiden & Co, Deutschland, Hamburg
27 cks, Rotterdam, Rotterdam
CHLORATE—200 dms, Charles Hardy, Cairnmona, Antwerp
CYANIDE—10 cs, 1,364 lbs, Pfaltz & Bauer, Deutschland, Hamburg
MURIATE—46,000 kilos, N V Potash Export My, Deutschland, Hamburg
PERSULPHATE—1 ck, 220 lbs, Pfaltz & Bauer, Deutschland, Hamburg
SULPHATE—30 bbls, N V Potash Export My, Deutschland, Hamburg
PYRETHRUM FLOWERS—125 bls, McKesson & Robbins, Kinai, Kobe
75 bls, J Powell & Co, Eidsvold, Kobe
QUEBRACHO EXTRACT—900 bgs, International Product Corp, Southern Prince, Buenos Aires
12,521 bgs, Tannin Corp, Southern Prince, Buenos Aires
3,760 bgs, International Products Corp, Western World, Buenos Aires
QUICKSILVER—50 flasks, Chase Natl Bank, Yucatan, Vera Cruz
RESIN—15 dms, Red Hand Composition Co, American Merchant, London
RHUBARB—24 cs, Brown Bros, Harriman Co, Kinai, Shanghai
ROSIN—3 cs, C Tennant Sons & Co, President Harrison, Hongkong
ROTENONE CRYSTALS—2 cs, Asosan, Kobe
SABADILLA SEED—100 bgs, Royal Bank of Canada, Carabobo, La Guaira
46 bgs, Royal Bank of Canada, Tachira, La Guaira
SAGO FLOUR—1,600 bgs, Chase Natl Bank, Steel Navigator, Singapore
2,400 bgs, Chase Natl Bank, Asosan, Singapore
150 bgs, F L Kittle, President Harrison, Singapore
2,880 bgs, Chase Natl Bank, Katsurago, Singapore
75 bgs, Katsurago, Singapore
SALT—300 bgs, 33,396 lbs, D C Andrews & Co, Deutschland, Hamburg
SANDALWOOD—300 bgs, Dodge & Olcott Co, Silverlarch, Bombay
SCHEELITE ORE—590 bgs, McAlister & Co, Steel Navigator, Singapore
SENNA LEAVES—130 bls, City of Eastbourne, Colombo
80 bls, President Harrison, Bombay
56 bls, J L Hopkins & Co, President Harrison, Alexandria
PODS—208 bls, McKesson & Robbins, Silverlarch, Port Sudan
SHELLAC—100 bgs, Wm Zinsser & Co, Ansonia, London
150 bgs, Philadelphia Natl Bank, City of Eastbourne, Calcutta
150 bgs, Guaranty Trust Co, City of Eastbourne, Calcutta
200 bgs, E E Androvette, City of Eastbourne, Calcutta
200 bgs, Gillespie-Rogers-Pyatt Co, City of Eastbourne, Calcutta
125 bgs, 200 cs, Wm Zinsser & Co, City of Eastbourne, Calcutta
200 bgs, City of Eastbourne, Calcutta
25 cs, Wm Zinsser & Co, Alaunia, London
400 bgs, American Merchant, London

SHELLAC—99 bgs, Wm Zinsser, American Merchant, London
SEEDLAC—500 bgs, Chase Natl Bank, City of Eastbourne, Calcutta
200 bgs, Bank of London South America, City of Eastbourne, Calcutta
200 bgs, Philadelphia Natl Bank, City of Eastbourne, Calcutta
200 bgs, Guaranty Trust Co, City of Eastbourne, Calcutta
200 bgs, National City Bank, City of Eastbourne, Calcutta
225 bgs, Wm Zinsser & Co, City of Eastbourne, Calcutta
200 bgs, Montrose Corp, City of Eastbourne, Calcutta
100 bgs, City of Eastbourne, Calcutta
100 bgs, City of Eastbourne, Calcutta
SIENNA—50 bgs, Reichard Coulston, President Harrison, Genoa
SILICON CARBIDE—695 pkgs, D C Andrews & Co, Topdalsfjord, Stavanger
SILVER LEAF—2 cs, N J Laschow Co, Katsuragi, Osaka
SLOE BERRIES—695 pkgs, McKesson & Robbins, Alberta, Fiume
SOAP—8 pkgs, Globe Shipping Co, Manhattan, Hamburg
10 cs, Titan Shipping Co, American Trader, London
35 cs, J E Bernard & Co, American Trader, London
25 cs, Neuman & Schiers, Ingria, Marseilles
1,410 cs, 110 cyl, Conti Prod Corp, Erochorda, Leghorn
6 cs, Titan Shipping Co, American Merchant, London
MILLING—47 cs, Yardley & Co, Ansonia, London
45 cs, Yardley & Co, Alaunia, London
SHAVING—66 cs, Yardley & Co, Ansconia, London
66 cs, Yardley & Co, Alaunia, London
SOFT—20 dms, 10,608 lbs, J E Bernard & Co, Deutschland, Hamburg
STEARIC ACID—6 cs, Yardley & Co, Ansconia, London
1 cs, Yardley & Co, Alaunia, London
STEARIN—2 cs, Yardley & Co, Alaunia, London
TOILET—6 cs, R F Downing & Co, Berengaria, Southampton
5 cs, R H Macy & Co, Berengaria, Southampton
9 cs, American Express Co, American Merchant, London
SODA, AZIDE—90 bbls, 11,211 lbs, E I Du Pont de Nemours Co, Deutschland, Hamburg
CYANIDE—1,100 tubs, 672 dms, Charles Hardy, Champlain, Havre
1,100 dms, Charles Hardy, Normandie, Havre
FLUORIDE—5 cks, 5 dms, 4,873 lbs, Pfaltz & Bauer, Deutschland, Hamburg
HYDROSULPHITE—70 dms, 16,632 lbs, Deutschland, Hamburg
PRUSSIATE—407 cs, H H Rosenthal Co, Kinai, Hankow
407 cs, Iwai & Co, Eidsvold, Yokohama
300 cs, Chase Natl Bank, Katsuragi, Yokohama
SALICYLATE—7 dms, Parke, Davis & Co, Southern Prince, Buenos Aires
SILICOFLUORIDE—51 bgs, Kinai, Hankow
SULPHATE—350 dms, Advance Solvents & Chem Co, Rotterdam, Rotterdam
SOYBEAN MEAL—10 bgs, Kinai, Hankow
SPONGES—10 bls, Yucatan, Havana
28 bls, Oriente, Havana
72 bls, Santa Lucia, Havana
5 cs, D C Andrews & Co, American Merchant, London
REFUSE—27 bls, Santa Lucia, Havana
STARCH, RICE—112 pkgs, Stein, Hall & Co, Cairnmona, Antwerp
25 bbls, H Kohnstamm & Co, Cairnmona, Antwerp
50 bbls, B I Binder, Emile Francqui, Antwerp
WHEAT—100 bgs, Huguet Silk Co, Deutschland, Hamburg
STRAWBERRY LEAVES—8 bls, Alberta, Fiume
SUMAC—350 bgs, Alberta, Palermo
TALC—400 bgs, Topdalsfjord, Bergen
2,400 bgs, East Asiatic Co, Eidsvold, Marseilles
200 bgs, L A Salomon & Bros, Exochorda, Marseilles
300 bgs, Whittaker, Clark & Daniels, President Harrison, Marseilles
TANKAGE—570 bgs, Tondalsfjord, Stavanger
1,000 bgs, Southern Prince, Buenos Aires
TAPIOCA, FLAKE—257 bgs, Stein, Hall & Co, Modoera, Sourabaya
FLOUR—535 bgs, Balfour, Guthrie & Co, Silverlarch, Batavia
2,985 bgs, Stein, Hall & Co, Silverlarch, Batavia
2,733 bgs, Stein, Hall & Co, Silverlarch, Cheribon
10 bgs, Silverlarch, Batavia
250 bgs, Rutger, Bleecker & Co, Steel Navigator, Batavia
1,000 bgs, Java American Export Co, Steel Navigator, Batavia
642 bgs, H P Winter & Co, Steel Navigator, Batavia
500 bgs, J Lowe Corp, Steel Navigator, Batavia
1,000 bgs, National Adhesive Corp, Steel Navigator, Batavia
5,193 bgs, Stein, Hall & Co, Steel Navigator, Batavia
508 bgs, Rutger, Bleecker & Co, Steel Navigator, Batavia
500 bgs, Rutger, Bleecker & Co, Steel Navigator, Cheribon
500 bgs, National Adhesive Corp, Steel Navigator, Cheribon
276 bgs, Morningstar-Nicol, Steel Navigator, Pasoeroen
1,053 bgs, Manufacturers Trust Co, Steel Navigator, Pasoeroen
250 bgs, Modoera, Cheribon
500 bgs, Modoera, Tjilatjan
6,723 bgs, Stein, Hall & Co, Modoera, Sourabaya
361 bgs, Chase Nat Bank, Modoera, Tjilatjap
251 bgs, Bank of Manhattan, Modoera, Tjilatjap
239 bgs, H P Winter & Co, Modoera, Cheribon
250 bgs, Chase Nat Bank, Modoera, Cheribon
535 bgs, Balfour, Guthrie & Co, Modoera, Pamanoekan
750 bgs, Stein, Hall & Co, Modoera, Cheribon
2,200 bgs, Stein, Hall & Co, Malayan Prince, Batavia
374 bgs, Stein, Hall & Co, Malayan Prince, Cheribon
500 bgs, Seligman & Co, Malayan Prince, Sourabaya
2,758 bgs, National Adhesive Corp, Malayan Prince, Sourabaya
552 bgs, Java American Export Co, Malayan Prince, Sourabaya
500 bgs, Malayan Prince, Cheribon
MEAL—500 bgs, Stein, Hall & Co, Silverlarch, Batavia
PEARL—392 bgs, Stein, Hall & Co, Modoera, Sourabaya
50 bgs, Catz American Co, Malayan Prince, Batavia
SEED—120 bgs, Catz American Co, Malayan Prince, Batavia
TARTAR—34 bgs, Charles Pfizer & Co, Ingria, Nice
306 bgs, Tartar Chem Works, Ingria, Nice
TARTAR—283 bgs, Charles Pfizer & Co, Ingria, Marseilles
478 bgs, Tartar Chm Works, Ingria, Marseilles
33 bgs, Manatham Chem Co, Exochorda, Marseilles
TEAWASTE—2,000 bgs, Citro Chem Co, City of Eastbourne, Calcutta
TONKA BEANS—2 cks, D V Arguimbau, Southern Prince, Trinidad
100 cks, Machado & Co, Nerissa, Trinidad
TRICHLORETHYLENE—158 dms, International Selling Corp, Ingria, Marseilles
TRIPOLI EARTH—137 bgs, 19 bbls, C B Chrystal & Co, Westernland, Antwerp
TUBA ROOT—16 bls, Malayan Prince, Singapore
TUNGSTEN ORE—500 bgs, Wah Chang Trading Corp, Asosan, Hongkong
UMBER—636 bgs, 82 tons, J Lee Smith & Co, Exhibitor, Larnaca
44 cs, 916 bgs, Reichard, Coulston, Exhibitor, Larnaca
VALONIA—894 bgs, Exhibitor, Izmir
VANILLA BEANS—17 cs, American Express Co, President Harrison, Marseilles
8 cs, Marine Midland Trust Co, Harrison, Marseilles
57 cs, Thurston & Braidich, President Harding, Marseilles
18 cs, Philadelphia Natl Bank, President Harrison, Marseilles
19 cs, Chase Natl Bank, President Harrison, Marseilles
40 cs, First Natl Bank of Camden, President Harrison, Marseilles
17 cs, President Harrison, Marseilles
22 cs, Geo Luechers & Co, Normandie, Havre
45 cs, Philadelphia Natl Bank, Champlain, Havre
28 cs, Integrity Trust Co, Champlain, Havre
21 cs, Modoera, Samarang
5 cs, Catz American Co, Modoera, Batavia
10 cs, Catz American Co, Malayan Prince, Batavia
31 cs, Thurston & Braidich, Exochorda, Marseilles
10 cs, Frank Tea & Spice Co, Exochorda, Marseilles
62 cs, Integrity Trust Co, Exochorda, Marseilles
36 cs, Marine Midland Trust Co, Exochorda, Marseilles
34 cs, Exochorda, Marseilles
17 cs, J Manheimer, President Harrison, Marseilles
WATER, MINERAL—30 cs, Hahn & Wessel, Champlain, Havre
800 cs, E & J Burke, Ingria, Marseilles
25 cs, Hensel, Bruckmann & Lorbacher, Emile Francqui, Antwerp
100 cs, American Trading Co, President Harrison, Marseilles
WATERPROOFING COMP—18 cks, Rohner, Gehrig & Co, Champlain, Havre
WATTLE BARK EXTRACT—20 bgs, International Product Corp, Kelso, Hull
WAX, ANIMAL—100 cs, Kinai, Kobe
BEES—10 bgs, Superintendence Co, Champlain, Havre
80 bgs, Strohmeyer & Arpe Co, Southern Prince, Santos
49 bgs, Smith & Nichols, Ingria, Lisbon
45 bgs, M D Moreira, Ingria, Lisbon
15 bgs, Ingria, Casablanca
438 bgs, Balfour, Guthrie & Co, West Humhaw, Matadi
28 bgs, Lenape Trading Co, Coamo, Ciudad Trujillo
62 bgs, MacMiller Candle Co, Exochorda, Alexandria
10 bgs, H Russel Howe, Exochorda, Alexandria
13 bgs, MacMiller Candle Co, President Harrison, Alexandria
80 bgs, Strohmeyer & Arpe Co, Western World, Santos
160 bgs, D Steengrafe, Western World, Santos
49 bgs, Cauto, Tampico
10 bgs, Porcelli, Vicini & Co, Ponce, Porto Plata
MINERAL—32 bgs, Alaunia, London
MONTAN—415 bgs, 62,220 lbs, Strohmeyer & Arpe Co, Deutschland, Hamburg
OZOKERITE—30 bgs, 5 cs, Heemsoth-Kerner Corp, Deutschland, Hamburg
VEGETABLE—5 bgs, Heemsoth-Kerner Corp, Deutschland, Hamburg
500 bgs, Strohmeyer & Arpe Co, Asosan, Kobe
25 cs, H H Rosenthal Co, Asosan, Kobe
50 cs, Mitsui & Co, Asosan, Kobe
20 bgs, A Hurst & Co, Alaunia, London
WHALEBONE MEAL—300 bgs, 66,077 lbs, Tondalsfjord, Stavanger
WOODFLOUR—690 bgs, Burnet Co, Topdalsfjord, Greaker
1,350 bgs, B L Soberski, Topdalsfjord, Greaker
YEAST—10 kgs, Deutschland, Hamburg
50 bbls, 5 cs, Vulkan Yeast Co, Deutschland, Hamburg
150 bbls, Blue Ribbon Yeast Co, Manhattan, Hamburg
ZINC OXIDE—6 cs, Yardley & Co, Ansonia, London
50 bbls, Innis, Speiden & Co, Cairnmona, Antwerp
RESINATE—5 bbls, Red Hand Composition Co, American Merchant, London

New York Transit Imports

GLASS, WINDOW—530 cs, Eastman Kodak Co, Cairnmona, Antwerp, Rochester
GUM, KARAYA—66 bgs, Fei Corp, President Harrison, Bombay, Pittsburgh
JALAP ROOT—25 bls, Parke, Davis & Co, Yucatan, Vera Cruz, Detroit
OIL, COCONUT—474 tons, Armour & Co, Malayan Prince, Manila, Chicago
OLIVE—100 bbls, Ingria, Nice, Chicago
200 dms, Rhode Island Hospital Trust Co, Alberta, Algiers, Providence
PEPPER, WHITE—250 bgs, Frank Tea & Spice Co, Silverlarch, Oosthaven, Cincinnati
SPONGES—14 bls, Santa Lucia, Havana, Paris

Baltimore Imports

ALUMINUM OXIDE—12 cs, City of Norfolk, Havre
POWDER—5 cs, National Car Loading Co, City of Norfolk, Hamburg
2 cs, Trans Seas Shipping Co, City of Norfolk, Hamburg
10 dms, American Express Co, City of Norfolk, Hamburg
BRONZE POWDER—13 cs, National Car Loading Co, City of Norfolk, Hamburg
10 cs, City of Norfolk, Hamburg
4 cs, Trans Seas Shipping Co, City of Norfolk, Hamburg
5 cs, Oroline Products Co, City of Norfolk, Hamburg
6 cs, National Car Loading Co, City of Havre, Hamburg
BONEMEAL—442 bgs, City of Norfolk, Hamburg
10,419 bgs, Anhalt, Rosario
2,189 bgs, Clara, Trieste
50 tons, Tungsha, Oslo
CALCIUM SILICIDE—964 bbls, Electro Metallurgical Co, Tungsha, Sauda
CHEMICALS—1,184 brs, F H Shallus & Co, City of Norfolk, Hamburg
200 bgs, 50 cks, City of Norfolk, Hamburg
650 bgs, City of Norfolk, Bremen
74 bbls, 20 dms, 200 cks, Spaarndam, Rotterdam
CHEMICALS—72 cks, Advance Solvents & Chemical Co, Spaarndam, Rotterdam
250 bgs, 146 cks, City of Havre, Hamburg
10 cs, Baltimore & Ohio R R Co, City of Havre, Hamburg
CHROME ORE—2,300 tons, Skogheim, Nuevitas
CLAY, RAW—120 cks, City of Norfolk, Bremen
VALLENDAR—357 cks, Spaarndam, Rotterdam
COCOA BEAN RESIDUE—1,000 bgs, Spaarndam, Rotterdam
CODLIVER MEAL—620 half bgs, Tungsha, Bergen
COPRA—500 tons, Procter & Gamble Co, Anna Maersk, Bulan
CRAB MEAL—1,100 bgs, City of Havre, Hamburg
FERROMANGANESE—600 tons, Frank Samuel Co, Tungsha, Heroen
2,032 tons, 699 bbls, Electro Metallurgical Co, Tungsha, Sauda
GLUESTOCK—500 bls, Silverash, Karachi
IRON ORE—21,200 tons, Bethlehem Steel Co, Bethore, Cruz Grande
21,900 tons, Bethlehem Steel Co, Svealand, Cruz Grande
6,961 tons, Leo J Buck, Lulea, Lulea
7,225 tons, Leo J Buck, Strassa, Oxelosund
OXIDE—4 cks, E M & F Waldo, Manchester Exporter, Manchester
MANGANESE ORE—1,000 tons, Fairfield City, Calcutta
8,800 tons, Amtorg Trading Corp, Fresno City, Poti
8,500 tons, Amtorg Trading Corp, Ethel Radcliffe, Poti
MOLASSES—11,417,674 lbs, Catahoula, Barahona
5,221,752 lbs, Catahoula, Macoris
MYROBALANS—1,600 bgs, Silverash, Bombay
OIL, CHINAWOOD—100 dms, Anna Maersk, Hongkong
CODLIVER—125 dms, Tungsha, Bergen
MINERAL—10 dms, City of Havre, Hamburg
PEATMOSS—1,775 bls, City of Norfolk, Bremen
150 bls, City of Havre, Hamburg
POTASH, MANURE SALT—829 tons, N V Potash Export My, City of Norfolk, Hamburg
MURIATE—805 tons, N V Potash Export My, City of Norfolk, Hamburg
SAGE LEAVES—155 bls, Clara, Trieste

Boston Imports

ALBUMEN, EGG, HEN—56 cs, Kinai Maru, Harbin
EGG, HEN, CRYSTALS—28 cs, Bank of New York & Trust Co, Kinai Maru, Tientsin
AMMONIA SULPHOCYANIDE—5 kgs, Antonia, Liverpool
BARIUM SULPHOCYANIDE—5 kgs, Antonia, Liverpool
BARYTES—500 bgs, 55,115 lbs, Exochorda, Genoa
CEMENT, LIQUID, SPIRIT—1 cs, D C Andrews & Co, American Merchant, London
CHINA CLAY—3,202 tons, 18 cwt, English China Clays Sales Corp, Helle, Fowey
COTTONSEED MEAL—9,000 bgs, 412 tons, Nojima, Hongkong
FISHLIVERS, FROZEN—200 cs, Kinai, Yokohama
FLEASEED—100 bgs, 22,046 lbs, R J Prentiss & Co, Exochorda, Marseilles
GLASS, WINDOW—351 cs, 32,778 lbs, Artigas, Hamburg
GLAUBER'S SALT—400 bgs, 88,184 lbs, Artigas, Hamburg
GLUE—100 bgs, 33,466 lbs, Rex & Reynolds, Exochorda, Marseilles
BONE—100 bgs, 10,913 lbs, Artigas, Hamburg
GLUESTOCK, FISH BONES—32 bgs, Russia Cement Co, Evangeline, Yarmouth
1 bbl, Rogers Isinglass & Glue Co, Newfoundland, Halifax
HIDE CUTTINGS—430 bgs, 30 tons, 12 cwt, 2 lbs, Antonia, Liverpool

ATLANTIC MUTUAL INSURANCE COMPANY
Chartered 1842

The most Important Factor is STRENGTH

THE one thing most important about any insurance policy is the strength of the company behind it. Without security, the promise of any company to compensate you for losses is worthless.

If you will analyze our financial statement, you will doubtless be more than satisfied as to the amount of surplus in relation to liabilities, character of investments, amount of cash, and conservative valuation of assets.

More important than figures is our record. Ever since 1842 we have been issuing policies and paying losses, selecting risks carefully, and running our business on conservative lines. Never at any time has there been any question as to our readiness or ability to meet all obligations promptly and in full.

We believe you are better served with the advice of a competent insurance broker or broker-agent. Ask your broker about Atlantic insurance. In the meantime send for a free copy of our booklet, "Is AN ATLANTIC POLICY GOOD ENOUGH FOR YOU TO HOLD?"

Atlantic has been writing marine insurance continuously since 1842.

Atlantic Mutual
INSURANCE COMPANY
Atlantic Building: 49 Wall St., New York
Baltimore . . Boston . . Chicago . . Cleveland . . Philadelphia

MARINE • YACHT • INLAND TRANSPORTATION
FINE ARTS AND JEWELRY INSURANCE
FIRE INSURANCE SUPPLEMENTARY TO THESE LINES

GLYCERIN—30 dms, 16 tons, 4 cwt, 2 qtrs, 25 lbs, Wood, Niebuhr & Co, Antonia, Liverpool
GUM—10 cks, 2,535 lbs, Exochorda, Marseilles
ARABIC—100 bgs, 22,487 lbs, Silverlarch, Port Sudan
INDUSTRIAL—50 cks, 12 tons, 8 cwt, 6 lbs, J P Marston Co, Antonia, Liverpool
VEGETABLE—1 bbl, 481 lbs, Artigas, Hamburg
HERBS—1 cs, 168 lbs, Exochorda, Genoa
INSECTICIDE—2 cs, Davies Turner & Co, American Merchant, London
MEDICINAL PREPS—2 cs, 189 lbs, Exochorda, Genoa
OCHER—55 cks, 33,605 lbs, Reichard Coulston, Exochorda, Marseilles
OIL, COAL—50 dms, 12 tons, 8 cwts, 12 lbs, Northeastern Co, Artigas, Hull
COD—15 bbls, from Nova Scotia
284 dms, 125,221 lbs, Artigas, Hamburg
230 dms, 4 cks, from Newfoundland
385 bbls, Marden Wild Corpn, Connoiseur, Halifax
CODLIVER—309 dms, from Newfoundland
15 dms, 3,803 lbs, Artigas, Hamburg
EDIBLE—44 cs, 1 ton, 12 cwt, 20 lbs, American Express Co, Antonia, Liverpool
ESSENTIAL—3 cs, and 2 dms, Lever Bros, American Merchant, London
FUEL—48,471 bbls, Standard Oil Co of New Jersey, Davanger, Aruba
23,985 bbls, Colonial Beacon Oil Co, Beaulieu, Aruba
53,396 bbls, Mexican Petroleum Corpn, Bianca, Aruba
OLIVE—100 cs, 12,202 lbs, Exochorda, Genoa
TI-TREE—1 cs, Lever Bros, American Merchant, London
PEATMOSS—1,380 pkgs, 205,204 lbs, Peat Import Corpn, Artigas, Hamburg
300 bls, 39,442 lbs, Artigas, Hamburg
PEPPER—225 bgs, Madoera, Tandjong Priok
BLACK—250 bgs, Catz American Co, Malayan Prince, Telok Betong
PETROLEUM, CRUDE—66,287 bbls, 12,652 tons, Colonial Beacon Oil Co, Baltic, Guiria, Venez
POLISH, SHOE—1 cs, American Express Co, Antonia, Liverpool
POTASH, MURIATE—1,111,118 lbs, N V Potash Export Mij, Artigas, Hamburg
SULPHATE—1,000 bgs, 201,368 lbs, N V Potash Mij, Artigas, Hamburg
QUEBRACHO EXTRACT—2,753 bgs, 295,054 lbs, International Products Corp, Canjllo, Buenos Aires
SEALING COMPOUND—27 pls, D C Andrews & Co, American Merchant, London
SEAWEED—320 bls, 23,016 lbs, Artigas, Hamburg
SHELLAC—10 cs, 2,698 lbs, J Henry Schroeder Banking Corp, Artigas, Hamburg
SODA, HYDROSULPHITE—20 kgs, 1 ton, 2 cwt, 16 lbs, Lever Bros, Antonia, Liverpool
SOYBEAN MEAL—1,000 bgs, 100,000 lbs, Kinai, Dairen
SOAP—50 cs, 2,076 lbs, Conti Products Corp, Exochorda, Leghorn
CASTILE—496 cs, 58,053 lbs, First Nat Bank, Exochorda, Marseilles
TOILET—1 cs, Lever Bros, American Merchant, London
SPONGES—1 bl, 27 lbs, John Greenberg, Inc, Exochorda, Genoa
5 cs, D C Andrews & Co, American Merchant, London
TALC—200 bgs, 44,092 lbs, L A Salomon & Bros, Exochorda, Marseilles
TANKAGE—99 bgs, Nienburg, Buenos Aires
TAPIOCA, FLAKES, SIFTINGS—100 bgs, National City Bank, Madoera, Sourabaya
FLOUR—276 bgs, First Nat Bank, Steel Navigator, Posoeroean
250 bgs, Stein, Hall & Co, Steel Navigator, Batavia
250 bgs, Rutger, Bleecker & Co, Steel Navigator, Batavia
1,132 bgs, Malayan Prince, Samarang
4,660 bgs, National City Bank, Madoera, Sourabaya
477 bgs, H P Winter & Co, Madoera, Cheribon
511 bgs, Aaron D Weld's Sons, Silverlarch, Sourabaya
276 bgs, 55,955 lbs, Guaranty Trust Co, Stentor, Pasoeroean
276 bgs, 55,955 lbs, from Netherland Indies
276 bgs, 55,955 lbs, First Nat Bank, Stentor, Pasoeroean
546 bgs, 113,250 lbs, National City Bank, Stentor, Sourabaya
250 bgs, 55,247 lbs, Rutger, Bleecker & Co, Stentor, Cheribon
500 bgs, 111,390 lbs, Arnold Hoffman Co, Stentor, Cheribon
PEARL—100 bgs, National City Bank, Madoera, Sourabaya
SEED—50 bgs, National City Bank, Madoera, Sourabaya
TARTAR—73 bgs, 22,251 lbs, First Nat Bank, Exochorda, Marseilles
TOILET PREPS—1 cs, Lever Bros, American Merchant, London
TRICHLORETHYLENE—15 cks, 10,318 lbs, Exochorda, Marseilles
WAX—149 bgs, 23,259 lbs, Artigas, Hamburg

Boston Transit Imports

MEDICINAL PREPS—200 cs, 9,700 lbs, Exochorda, Genoa, for Montreal
SOAP, TOILET—4 cs, American Express Co, American Merchant, London, for Indianapolis

Gloucester Imports

CODLIVER OILCAKE—34 bxs, from New Brunswick
OIL, COD—87 bbls, from New Brunswick

Houston Imports

ALCOHOL, ISOBUTYL—1 cs, Duquesne, Hamburg
EPSOM SALT—331 bgs, Duquesne, Bremen
GLASS, WINDOW—21 cs, Duquesne, Hamburg
HOPS—6 bls, Duquesne, Hamburg
NAPHTHALENE—1 cs, Duquesne, Hamburg
OIL, MINERAL—25 dms, Duquesne, Hamburg
PEATMOSS—1,475 bls, Duquesne, Bremen
330 bls, Duquesne, Hamburg
PEPPER—81 bgs, El Occidente, New York

Los Angeles Imports

AGAR AGAR—50 lbs, Awobasan, Yokohama
ALCOHOL—4,000 lbs, Silveray, Manila
BARTYES—50,180 lbs, Leme, Venice
BLEACHING POWDER—18,030 lbs, Asama, Kobe
CHEMICAL SALT—1,000 lbs, Asama, Tokio
COALTAR PROD—10 lbs, Komaki, Yokohama
30 lbs, Awobasan, Yokohama
COPRA MEAL—616,400 lbs, Silveray, Manila
60,000 lbs, Silverpalm, Manila
70,680 lbs, Silveray, Philippine Islands
HOPS—11,080 lbs, Portland, Prague
INCENSE—20 lbs, Tatsuta, Yokohama
MEDICINAL PREPS—105 lbs, Awobasan, Yokohama
70 lbs, Komaki, Yokohama
30 lbs, Tatsuta, Yokohama
OCHER—8,110 lbs, Leme, Marseilles
OIL, OLIVE—8,430 lbs, Leme, Leghorn
SOYBEAN—20,000 lbs, Taiyo, Yokohama
PEATMOSS—24,000 lbs, Seattle, Bremen
RICE FLOUR—350 lbs, Awobasan, Yokohama
SIENNA—1,960 lbs, Leme, Marseilles
SOAP, TOILET—360 lbs, Awobasan, Yokohama
20 lbs, Komaki, Yokohama
10 lbs, Tatsuta, Yokohama
TOILET PREP—20 lbs, Komaki, Yokohama
20 lbs, Tatsuta, Yokohama

New Orleans Imports

BAUXITE ORE—2,275 tons, Republic Mining & Mfg Co, Lindvangen, Paramaribo
2,290 tons, Republic Mining & Mfg Co, Atna, Paramaribo
2,477 tons, Aluminum Ore Co, Askeladden, Georgetown
BLUE, ULTRAMARINE—10 cs, Aluminum Line, Youngstown, Antwerp
COCOA BEANS—4,700 sx, Fruit Dispatch Co, Santa Marta, Bocas del Toro
CARBON, DECOLORIZING—375 sx, Sterling Sugars, Inc, Youngstown, Rotterdam
COCONUTS—933 sx, Standard Fruit & Steamship Co, Amapala, Ceiba
400 sx, J H Blake, Gansfjord, Belize
GLASS, WINDOW—40 cs, Aluminum Line, Youngstown, Antwerp
GUM, CHICLE—543 bls, Wm Wrigley, Gansfjord, Belize
LIME—25 bbls, Austin Lime Corp, Lindvangen, Kingston
MINERAL—2,000 sx, Istria, Genoa
WATER—81 cs, Louisiane, Havre
OIL, CHINAWOOD—530 tons, National City Bank, Tsuyama, Shanghai
CREOSOTE—5,820 tons, American Creosote Works, Inc, Lincoln Ellsworth, Seizette 4,500 tons, Chr Th Boe, London
OLIVE—61 cs, 5 dms, Istria, Genoa
25 bbls, Istria, Marseilles
PALM—1,074 tons, Guaranty Trust Co, Kota Tjandi, Belawan Deli
1,639 tons, Kota Tjandi, Belawan Deli
PETROLEUM, CRUDE—74,000 bbls, Shell Petroleum Corp, Falkefjell, Tampico
PYRETHRUM FLOWERS—250 sx, Lusk Shipping Co, Tsuyama, Otaru
SALTCAKE—752 tons, Bank of Manhattan, Louisiane, Antwerp
SOAP—31 cs, Istria, Marseilles

Norfolk Imports

CHEMICALS—508 cks, 106 tons, City of Norfolk, Hamburg
COCOA BEAN RESIDUE—2,500 bgs, Spaarndam, Rotterdam
DYE INTERMEDIATES—42 cks, Cincinnati Chemical Works, Spaarndam, Rotterdam
FERTILIZER—2,160 bgs, 216 tons, City of Norfolk, Hamburg
NITROGENOUS—525 bls, Spaarndam, Rotterdam
LEATHER SCRAP—3,970 bgs, Spaarndam, Rotterdam
OIL, CODLIVER, POULTRY—240 dms, 12 tons, City of Norfolk, Hamburg
POTASH, MANURE SALT—1,119 tons, N V Potash Export My, Augvald, Bremen
MURIATE—1,916 tons, Augvald, Bremen
SULPHATE—692 tons, Augvald, Bremen
POTASH MAGNESIA SULPHATE—21,550 bgs, 1,954 tons, N V Potash Export My, Augvald, Bremen

Philadelphia Imports

BAUXITE ORE—925,000 kilos, Spaarndam, Rotterdam
BONE—1,000,007 lbs, West Selene, Montevideo
CALCIUM NITRATE—530,962 kilos, Synthetic Nitrogen Products Corp, Ivar, Heroen
CARAWAY SEED—100 bgs, R T French Co, Spaarndam, Rotterdam
CHEMICALS—800 dms, Furness Withy & Co, Spaarndam, Rotterdam
900 dms, John A Steer & Co, Spaarndam, Rotterdam
30 bbls, Sterling Supply Corp, Spaarndam, Rotterdam
1,350 dms, J W Hampton, Jr & Co, Spaarndam, Rotterdam
75 dms, Goldschmidt Corp, Spaarndam, Rotterdam
84 carboys, Spaarndam, Rotterdam
CHINA CLAY—30,653 kilos, United Clay Mines Corp, Spaarndam, Rotterdam
COCOABEANS—2,000 bgs, National City Bank, Bencas, Ilheos
5,000 bgs, Bankers Trust Co, Bencas, Ilheos
14,000 bgs, Bencas, Ilheos
500 bgs, Bencas, Bahia
1,000 bgs, Wessels, Kulenkampff & Co, West Selene, Bahia
750 bgs, W & A Leaman, Spaarndam, Rotterdam
CORK—50 bls, Crown Cork & Seal Co, Exchange, Algiers
VIRGIN—9,891 bls, Armstrong Cork Co, Brattdal, Lisbon
WASTE—12,054 bls, Armstrong Cork Co, Brattdal, Lisbon
736 bls, Crown Cork & Seal Co, Exchange, Algiers
WOOD—9,857 bls, Armstrong Cork Co, Brattdal, Lisbon
FERROCHROME—30 cs, Nojima, Yokohama
FERROMANGANESE—100 tons, Frank Samuel & Co, Tungsha, Heroen
GLYCERIN—48 dms, West Selene, Buenos Aires
138 csks, Spaarndam, Rotterdam
393 dms, Amtorg Trading Corp, Turksib, Leningrad
MANGANESE ORE—5,400 tons, E J Lavino & Co, Baron Newlands, Takoradi
MEDICINAL PREPS—10 cks, Gold Medal Haarlem Oil Corp, Spaarndam, Rotterdam
MILK POWDER—672 bgs, Spaarndam, Rotterdam
MILLET SEED—1,003 bgs, West Selene, Buenos Aires
MOLASSES—668,111 gls, Compania Azucarera Florida, Winnetou, Port Tarafa
752,000 gls, Commercial Molasses Corp, Winnetou, Puerto Padre
414,694 gls, E I Du Pont de Nemours & Co, Carrabulle, Mayaguez
596,563 gls, E I Du Pont de Nemours & Co, Carrabulle, La Romana
326,637 gls, E I Du Pont de Nemours & Co, Carrabulle, San Juan
MUSTARD SEED—750 bgs, R T French Co, Spaarndam, Rotterdam
MYROBALANS—5,000 pockets, Guaranty Trust Co, Myrtlebank, Calcutta
OIL, CODLIVER—200 dms, The Acton Co, Tungsha, Tofte
65 bbls, Philadelphia Wholesale Drug Co, Tungsha, Bergen
175 dms, J A McCarthy, Tungsha, Bergen
PEPPER, BLACK—405 bgs, Lossiebank, Oosthaven
WHITE—162 bgs, Commercial National Bank & Trust Co, Lossiebank, Batavia
PETROLEUM, CRUDE—106,803 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
68,169 bbls, Gulf Oil Corp, Ima, Las Piedras
22,000 bbls, Texas Co, Darbyline, Tampico
QUEBRACHO EXTRACT—1,608 bgs, Tannin Corp, West Selene, Buenos Aires
SHELLAC—1,178 bgs, Chase National Bank, Mahseer, Calcutta
750 bgs, Bank of London & South America, Mahseer, Calcutta
TANKAGE—424 bgs, Swift & Co, West Selene, Montevideo
885 bgs, Swift & Co, West Selene, Buenos Aires
GROUND—1,000 bgs, West Selene, Buenos Aires
1,815 bgs, West Selene, Montevideo
762 bgs, Hollinshed Co, Tungsha, Oslo
TAPIOCA FLOUR—365 bgs, Balfour, Guthrie & Co, Maron, Pamanoekan
1,250 bgs, Lossiebank, Cheribon
500 bgs, Chase National Bank, Lossiebank, Cheribon
UMBER, BURNT, POWD—30 cks, Chase Natl Bank, Myrtlebank, Port Said
WOODFLOUR—2,250 bgs, H L Soberski, Tungsha, Greaker

Savannah Imports

PYRITES IRON—2,540,000 kilos, Baron Ailsa, Huelva

Tampa Imports

CALCIUM NITRATE—3,600 bgs, Toronto, Heroen
COCONUTS—66,500, Angrer, Trujillo

Exports from U.S. Ports

New York Exports

Clearance Dates

American Importer, December 19; Ancon, November 17; Black Eagle, December 16; Clara, December 19; Crawford Ellis, December 11; Cumbal, December 11; Guayaquil, November 4; Heimgar, December 19; Henri Jasper, December 14; Miraflores, December 18; Musa, December 4; Nagoya, December 16; Newsome, December 18; Oriente, December 9; Pastores, December 10; Pipestone County, December 16; Queen Mary, Dcember 18; Sagaporack, December 10; Santa Elena, December 2; Santa Rita, December 11; Scanpenn, December 13; Scythia, December 11; Siboney, December 4; Toloa, December 5; Tregantle, December 12; Tuscaloosa City, December 15; Tweedbank, December 14; Uhenfels, December 5

ACETANILID—1,720 lbs, Henri Jasper, Antwerp
ACID, BORIC—3,136 lbs, Toloa, Porto Colombia
CHROMIC—3,270 lbs, Nagara, Kobe
CITRIC—(Toloa) 2,446 lbs, Cartagena; 113 lbs, San Juan del Sur
MURIATIC—9,850 lbs, Tuscaloosa City, Honolulu
NITRIC—2,520 lbs, Tuscaloosa City, Honolulu
SULPHURIC—314 lbs, Crawford Ellis, Banes
TARTARIC—266 lbs, Toloa, San Juan del Sur
ALCOHOL—1,000 gls, Sagaporack, Helsingfors
ALUMINA SULPHATE—40,400 lbs, Santa Elena, Cartagena
AMMONIA, ANHYD—15,476 lbs, Miraflores, Santiago
BIFLORIDE—511 lbs, Miraflores, Santiago
SULPHATE—(Tuscaloosa City) 2,187,660 lbs, Honolulu; 1,111,000 lbs, Honuapo; 202,000 lbs, Hilo
ASPHALT—8,158 lbs, Pipestone County, Havre; 2,200 lbs, Black Eagle, Antwerp; 11,583 lbs, Toloa, Porto Colombia; 20,184 lbs, Tregantle, Port Natal; 45,800 lbs, Nagara, Kobe
LIQUID—69,308 lbs, American Importer, Manchester
SOLID—165,261 lbs, Scythia, Liverpool
BLEACHING POWDER—4,280 lbs, Tuscaloosa City, Honolulu
BLUE VITRIOL—60,053 lbs, Heimgar, Buenos Aires
VITRIOL, CRYST—12,120 lbs, Toloa, Kingston; 444,400 lbs, Newsome, Tela
VITRIOL, MONOHYDRATED—222,000 lbs, Newsome, Tela
CARBON BISULPHIDE—4,762 lbs, Guayaquil, Cartagena
CEMENT, RUBBER—33,149 lbs, Tuscaloosa City, Honolulu
CHEMICALS—3,472 lbs, Henri Jasper, Antwerp; 26,163 lbs, Pipestone County, Havre; 2,581 lbs, American Importer, Liverpool
CHLORINE—15,184 lbs, Guayaquil, Cristobal
CLAY—11,940 lbs, Scythia, Liverpool
COALTAR INTERMEDIATES—(Nagara) 5,720 lbs, Kobe; 3,316 lbs, Osaka
COLOR—2,920 lbs, Scythia, Liverpool
DRY—555 lbs, Musa, Porto Barrios
CORN FLOUR—35,250 lbs, Tweedbank, Manila; 1,420 lbs, Miraflores, Santiago
SUGAR—28,200 lbs, Tweedbank, Shanghai; 6,106 lbs, Scythia, Liverpool
SYRUP—22,510 lbs, Tweedbank, Manila; 5,403 lbs, Musa, Porto Barrios; 7,733 lbs, Toloa, Panama City; (Tuscaloosa City) 2,725 lbs, Kahului; 420 lbs, Port Allen; 30,174 lbs, Honolulu; 19,504 lbs, Santa Rita, Callao
DEXTRIN—8,460 lbs, Tregantle, Port Natal; 6,820 lbs, Heimgar, Buenos Aires
DYES (Black Eagle) 16,895 lbs, Antwerp; 11,385 lbs, Rotterdam; 4,639 lbs, Washington, Hamburg
ETHYL FLUID—2,200 gls, Pipestone County, Havre
FERTILIZER—(Tuscaloosa City) 814,400 lbs, Kahului; 406,400 lbs, Mahukona; 203,600 lbs, Honuapo
GLASS, PLATE—34,808 lbs, Tweedbank, Manila
GLUCOSE—90,104 lbs, Tweedbank, Manila
GREASE, ANIMAL—31,294 lbs, Miraflores, Santiago
AXLE—5,500 lbs, Miraflores, Santiago
LUBRICATING—(Santa Elena) 5,040 lbs, Callao; 1,800 lbs, Puntarenas; 18,737 lbs, Porto Colombia; 13,589 lbs, Scanpenn, Trinidad; (Tweedbank) 10,122 lbs, Manila; 40,145 lbs, Hongkong; (Sagaporack) 14,322 lbs, Copenhagen; 9,040 lbs, Helsingfors; (Pipestone County) 140,295 lbs, Havre; 23,924 lbs, Dunkirk; 8,131 lbs, Crawford Ellis, Santiago; 6,279 lbs, Musa, Porto Barrios; (Guayaquil) 3,790 lbs, Amapala; 4,300 lbs, Corinto; (Toloa) 8,579 lbs, Cartagena; 3,198 lbs, Kingston; 4,120 lbs, Miraflores, Santiago; 21,685 lbs, Santa Rita, Antofagasta; (Ancon) 1,880 lbs, La Union; 1,862 lbs, La Libertad; 2,540 lbs, Cristobal; (Scythia) 28,931 lbs, Manchester; 90,699 lbs, Liverpool; 3,085 lbs, Cumbal, Paita; (American Importer) 92,570 lbs, Manchester; 65,658 lbs, Liverpool; 5,322 lbs, Heimgar, Montevideo; (Nagara) 107,370 lbs, Kobe; 256,100 lbs, Yokohama; 22,227 lbs, Queen Mary, Liverpool
INSECTICIDE, HOUSEHOLD—18,900 lbs, Santa Elena, Porto Colombia
IRON OXIDE—3,765 lbs, Washington, Hamburg
LARD—29,914 lbs, Scythia, Liverpool; 151,200 lbs, Queen Mary, Liverpool; 161,631 lbs, American Importer, Manchester
LEAD, RED—10,400 lbs, Santa Elena, Porto Colombia; 4,240 lbs, Crawford Ellis, Banes
WHITE—3,300 lbs, Tweedbank, Manila; 11,883 lbs, Tuscaloosa City, Honolulu
LICORICE PASTE—16,212 lbs, Henri Jasper, Antwerp
LIME, HYDRATED—12,240 lbs, Toloa, Kingston; 1,816,000 lbs, Newsome, Tela
LINSEED CAKE—9,934,720 lbs, Henri Jasper, Antwerp; 559,810 lbs, Pipestone County, Havre
LITHOPONE—15,461 lbs, Tweedbank, Manila
TITANIUM—12,900 lbs, American Importer, Manchester
MICA, PULV—40,400 lbs, Henri Jasper, Antwerp
MONOCHLORBENZOL—3,685 gls, Henri Jasper, Antwerp
OIL, COOKING—8,700 lbs, Tuscaloosa City, Honolulu
CORN—4,080 lbs, Tuscaloosa City, Honolulu
CORN, REFD—24,069 lbs, Nagara, Osaka
EDIBLE—4,010 lbs, Pastores, Porto Colombia; 1,167 lbs, Musa, Porto Barrios
FLOTATION—1,100 gls, Nagara, Kobe
LUBRICATING—11,028 gls, Black Eagle, Rotterdam; (Sagaporack) 2,910 gls, Gothenburg; 1,545 gls, Copenhagen; 1,260 gls, Gdynia; 2,970 gls, Stockholm; 1,485 gls, Helsingfors; (Pipestone County) 79,726 gls, Havre; 1,698 gls, Dunkirk; 1,130 gls, Uhenfels, Bushire; 4,025 gls, Pastores, Porto Colombia; (Crawford Ellis) 4,455 gls, Banes; 2,600 gls, Santiago; (Santa Elena) 3,400 gls, Callao; 1,100 gls, Buenaventura; 6,325 gls, Guayaquil; 2,200 gls, Cartagena; (Scanpenn) 1,375 gls, Point Pitre; 4,374 gls, Martinique; (Tweedbank) 5,000 gls, Hongkong; 20,990 gls, Shanghai; (Musa) 1,375 gls, Tela; 4,395 gls, Porto Barrios; (Guayaquil) 3,685 gls, Callao; 4,180 gls, Amapala; 6,270 gls, Corinto; 15,085 gls, Siboney, Vera Cruz; 4,125 gls, Oriente, Manzanillo; 104,260 gls, Clara, Fiume; 1,155 bls, Toloa, Porto Colombia; 3,135 gls, Miraflores, Santiago; (Santa Rita) 1,375 gls, Tocopilla; 3,520 gls, Callao; 19,635 gls, Antofagasta; 2,145 gls, Valparaiso; (Ancon) 3,630 gls, La Union; 2,750 gls, La Libertad; (Scythia) 2,100 gls, Lisbon; 10,120 gls, Calcutta; 1,640 gls, Liverpool; (Cumbal) 4,675 gls, Paita; 2,790 gls, Salaverry; 2,766 gls, Pisco; 24,990 gls, American Importer, Manchester; (Heimgar) 500 gls, Rio Janeiro; 9,845 gls, Montevideo; (Nagara) 24,695 gls, Kobe; 11,055 gls, Yokohama; (Queen Mary) 2,200 gls, Teipung; 5,915 gls, Liverpool
NEATSFOOT—2,791 lbs, Henri Jasper, Antwerp
OLEO—51,019 lbs, Henri Jasper, Antwerp
PAINT—12,180 lbs, Tweedbank, Shanghai; 7,440 lbs, Sagaporack, Stockholm; 21,456 lbs, Santa Elena, Porto Colombia; (Toloa) 10,906 lbs, Cartagena; 2,239 lbs, Porto Colombia; (Tuscaloosa City) 10,510 lbs, Honolulu; 15,430 lbs, Hilo
PARAFFIN—76,884 lbs, Santa Elena, Cartagena; 9,090 lbs, Scanpenn, Martinique; 5,562 lbs, Ancon, Acajutla; 268,702 lbs, Scythia, Liverpool; (Cumbal) 86,290 lbs, Buenaventura; 11,070 lbs, Pimental; 33,734 lbs, Salaverry; 20,202 lbs, Musa, Porto Barrios; 20,261 lbs, Toloa, Puntarenas; (Santa Rita) 67,815 lbs, Mollendo; 397,142 lbs, Arica; 24,932 lbs, Heimgar, Rio de Janeiro; 22,483 lbs, Queen Mary, Liverpool
SCALE—201,336 lbs, American Importer, Manchester; 484,105 lbs, Queen Mary, Liverpool
PETROLATUM—(Tweedbank) 26,180 lbs, Hongkong; 128,035 lbs, Shanghai
PETROLEUM, REFD—4,500 gls, Santa Elena, Cartagena
PHENOL—8,250 gls, Henri Jasper, Antwerp
POLISHING COMP—36,972 lbs, Queen Mary, Liverpool
POTASH, BICHROMATE—(Sagaporack) 11,980 lbs, Helsingfors; 9,083 lbs, Abo
HYDROXIDE—106 lbs, Musa, Porto Barrios
RESIN, COALTAR—1,995 lbs, Scythia, Liverpool; 2,075 lbs, Washington, Havre; 4,725 lbs, American Importer, Liverpool
SYNTHETIC—4,424 lbs, American Importer, Liverpool
SALT—71,196 lbs, Tuscaloosa City, Honolulu
SCOURING COMP—33,800 lbs, Tuscaloosa City, Honolulu
SOAP—(Tuscaloosa City)—162,995 lbs, Honolulu; 12,903 lbs, Hilo
POWDER—39,750 lbs, Tuscaloosa City, Honolulu
SODA ASH—1,950 lbs, Crawford Ellis, Banes; 44,385 lbs, Santa Elena, Mazatlan; 21,848 lbs, Toloa, Porto Colombia; 20,690 lbs, American Importer, Manchester; 488,720 lbs, Heimgar, Buenos Aires; 453,600 lbs, Nagara, Osaka
BICARBONATE—11,321 lbs, Pastores, Cristobal; 2,120 lbs, Tuscaloosa City
CAUSTIC—(Tweedbank) 27,515 lbs, Manila; 423,515 lbs, Shanghai; 21,600 lbs, Crawford Ellis, Santiago; 2,360 lbs, Toloa, Porto Colombia; 272,606 lbs, Heimgar, Rio Janeiro; (Nagara) 1,377,920 lbs, Osaka; 138,240 lbs, Yokohama
CAUSTIC FLAKE—85,400 lbs, Crawford Ellis, Banes
CYANIDE—1,090 lbs, Crawford Ellis, Santiago
PHOSPHATE, TRI—92,624 lbs, Henri Jasper, Antwerp; 33,936 lbs, American Importer, Manchester
SAL—2,250 lbs, Crawford Ellis, Banes
SOLVENT—7,712 lbs, Nagara, Yokohama
INDUSTRIAL—64,935 lbs, Nagara, Kobe
STARCH, CORN—2,266 lbs, Tweedbank, Hongkong; 2,000 lbs, Crawford Ellis, Santiago; 4,050 lbs, Sagaporack, Helsingfors; 1,200 lbs, Miraflores, Santiago; (Tuscaloosa City) 2,721 lbs, Port Allen; 4,282 lbs, Kahului; 22,357 lbs, Honolulu
TALC—10,100 lbs, Pastores, Porto Colombia; 22,400 lbs, American Importer, Manchester
MATERIAL—2,638 lbs, Helsingfors, Montevideo
TURPENTINE—2,500 gls, Heimgar, Buenos Aires
ZINC AMMONIA CHLORIDE—5,760 lbs, Tuscaloosa City, Honolulu

Baltimore Exports

Clearance Dates

City of Newport News, December 17; Kwanto, December 17; Silverwalnut, December 16

ASBESTOS REFUSE—(City of Newport News) 6,800 lbs, Hamburg; 4,400 lbs, Copenhagen; 4,000 lbs, Malmo
ASPHALT, PETROLEUM—6 tons, City of Newport News, Gothenburg
ENAMEL, PORCELAIN, LIQ—125 lbs, City of Newport News, Oslo
GREASE, LUBRICATING—29,519 lbs, Kwanto, Osaka
PAINTS, PREPARED—3,200 gls, Silverwalnut, Manila
PASSION FLOWER HERB—1,690 lbs, City of Newport News, Hamburg
SMALT, PAINTERS—2,400 lbs, City of Newport News, Hamburg
SODA, ALUMINATE—10,771 lbs, City of Newport News, London
BICHROMATE—10,771 lbs, City of Newport News, London

Beaumont Exports

Clearance Date

Gymeric, December 14

PETROLEUM, CRUDE—68,000 bbls, Gymeric, Hamburg

Boston Exports

Clearance Dates

Anna Maersk, December 21; Burgerdijk, December 19; Evangeline, December 19; Independence Hall, December 22; Laconia, December 20; Lady Nelson, December 19; Maidan, December 22

ALUMINA OXIDE—2,723 bgs, 272,250 lbs, Independence Hall, La Courneuve; 2 bxs, 63 kegs, 2,036 lbs, Maidan, London
AMYL ACETATE—8 dms, 55 gls, Anna Maersk, Hongkong
ANIMAL DIP—1 dm, 55 gls, Anna Maersk, Manila
BUFFING COMP—1 cs, 275 lbs, Laconia, Stapleford
BUTYL ACETATE—8 dms, 55 gls, Anna Maersk, Hongkong
ALCOHOL—2 dms, 55 gls, Anna Maersk, Hongkong
CARBON DIOXIDE, SOLID—2 pkgs, 280 lbs, Lady Nelson, Hamilton
CHEMICALS—12 dms, 444 lbs, Maidan, London
CLAY—217 bbls, 24 tons, Independence Hall, La Courneuve; 242 bbls, 30 tons, Maidan, London
DRESSING, LEATHER—(Laconia) 1 pl, 85 lbs, Bolton; 20 bbls, 9,144 lbs, Leicester; 75 dms, 500 gls, Maidan, Wallsall
ETHYL ACETATE—8 dms, 55 gls, Anna Maersk, Hongkong
GASOLINE—1 bx, 3 gls, Burgerdijk, Amsterdam; 2 bxs, 6 gls, Maidan, London
GELATIN, EDIBLE—2 bbls, 510 lbs, Maidan, London
GREASE, LUBRICATING—1 cs, 10 lbs, Independence Hall, Paris; 39 pkgs, 2,071 lbs, Laconia, Liverpool
INK, STENCIL—1 cs, 29 lbs, Maidan, London
LACQUER—1 cs, 5 gls, Maidan, Burton on Trent
LARD—300 bxs, 16,800 lbs, Laconia, Liverpool; 300 bxs, 16,800 lbs, Maidan, Avonmouth
MEDICINAL PREP'S—1 cs, 42 lbs, Lady Nelson, Hamilton; 1,500 cs, 58,050 lbs, Maidan, London
OIL, LUBRICATING—2 dms, 100 gls, Evangeline, Yarmouth; (Laconia) 3 cs, 60 gls, Liverpool; 5 bbls, 279 gls, Chromepet
PARAFFIN—20 bxs, 8,044 lbs, Maidan, London
PITCH, COALTAR—5 dms, 1 ton, Independence Hall, Paris
SILICON CARBIDE—200 bgs, 20,000 lbs, Independence Hall, La Courneuve
VANILLA BEANS—1 cs, 120 lbs, Independence Hall, Bordeaux

Galveston Exports

Clearance Dates

Albuera, December 22; Braheholm, December 17; Duquesne, December 16; Laura C, December 17; Nyholt, December 22; Oakwood, December 16; Wales, December 17

ASPHALT—22 tons, Braheholm, Copenhagen
BLACK, CARBON—1 ton, Duquesne, Liverpool; 600 cs, Wales, Yokohama
MINERAL ORE—1 ton, Duquesne, Liverpool
OIL, DIESEL—11,500 tons, Nyholt, Wilhelmshaven
SULPHUR—(Duquesne) 500 tons, Liverpool; 1,400 tons, Manchester
CRUDE—5,200 tons, Albuera, Capetown

Houston Exports

Clearance Dates

Apache, December 17; Aquarius, December 16; Braheholm, December 16; Capulet, December 21; Laura C, December 16; Mosvold, December 19; Oakwood, December 22; Rhea, December 19; Ruth Lykes, December 16; Stureholm, December 19; Velma Lykes, December 15

BENZENE—2,800 tons, Apache, Istanbul
BLACK, CARBON—(Aquarius) 221 bgs, Havre; 75 cs, Rotterdam; 725 bgs, Laura C, Trieste (Braheholm) 75 cs, Gothenburg; 448 bgs, Copenhagen; 493 cs, Gdynia; (Stureholm) 50 cs, Gothenburg; 50 cs, Copenhagen; 50 cs, Gdynia; 1,850 bgs, Oakwood, Havre
GASOLINE—1,500 tons, Apache, Istanbul-Smyrna-Salonica; 100,000 bbls, Capulet, Coryton-River Thames-Avonmouth
KEROSENE—3,500 tons, Apache, Istanbul-Smyrna-Salonica
LUBRICANTS—70 tons, Velma Lykes, Havana; (Ruth Lykes) 8 tons, Port au Prince; 33 tons, Ciudad Trujillo
OIL—35 tons, Velma Lykes, Cristobal
GAS—2,500 tons, Apache, Istanbul-Smyrna-Salonica; 11,000 tons, Mosvold, Hamburg; 450 tons, Stureholm, Malmo
LUBRICATING—300 dms, Braheholm, Oslo; 600 dms, Stureholm, Oslo; 165 bbls, Oakwood, Bordeaux
PETROLEUM—11,000 tons, Rhea, Dunkirk
SALT—1 bg, Velma Lykes, Cristobal

Lake Charles Exports

Clearance Dates

Chancellor, December 17; Saleier, December 19

OIL, PINE—321 gls, Chancellor, Manchester
SULPHUR—(Saleier) 448 bgs, East London; 100 bgs, Durban

Los Angeles Exports

Clearance Dates

Argyll, December 24; Athelcrown, December 20; Calgarolite, December 14; Eagle, December 9; Naruto, December 29; New Zealand, December 15; San Luis, December 12; Silvercypress, December 15; Tachibana, December 14; Tsurumi, December 20; Velma, December 13; Vera, December 18

GASOLINE—17,156 bbls, 447,720 lbs, San Luis, Tsurumi; 95,640 bbls, 24,962,040 lbs, New Zealand, Melbourne - Sydney - Newcastle-Brisbane; 76,145 bbls, 19,873,850 lbs, Vera, La Plata
KEROSENE—2,897 bbls, 825,650 lbs, Silvercypress, Shanghai; 17,437 bbls, 4,969,550 lbs, New Zealand, Melbourne-Sydney-Newcastle-Brisbane
OIL, DIESEL—53,398 bbls, 16,660,180 lbs, Tachibana Maru, Yokohama-Osaka-Moji-Nagasaki; 64,366 bbls, 20,082,190 lbs, Athelcrown, Tsurumi-Osaka
OIL, ENGINE—6 bbls, 2,500 lbs, Argyll, Santa Rosalia
FUEL—53,471 bbls, 17,806,840 lbs, Tsurumi, Tokio; 55,273 bbls, 18,405,910 lbs, Naruto, Tokio; 52,032 bbls, 17,326,660 lbs, Athelcrown, Tsurumi-Osaka; 23,270 bbls, 7,748,910 lbs, Argyll, Santa Rosalia; 60,281 bbls, 20,073,570 lbs, Eagle, Ocean Falls; 83,880 bbls, 27,932,040 lbs, Velma, Toccopilla; 104,775 bbls, 23,890,080 lbs, Calgarolite, Antofagasta and Iquique

New Orleans Exports

Clearance Dates

Binnendijk, December 16; Cefalu, October 13; 27; Contessa, October 6; 20; Tripp, December 18; Woensdrecht, December 17

ASPHALT—5 tons, Tripp, Liverpool
BARYTES—1,004 sx, Cefalu, Havana
BENZOL—(Woensdrecht) 1,504 tons, Havre; 3,874 tons, Antwerp
BLACK, CARBON—(Binnendijk) 33 tons, London; 10 tons, Rotterdam; 1 ton, Amsterdam; (Tripp) 2 tons, Manchester; 59 tons, Liverpool/Manchester
BONEMEAL—5 sx, Cefalu, Panama
CALCIUM CARBIDE—100 dms, Cefalu, Puerto Cabezas
CLAY—27 tons, Tripp, Liverpool
COCOA WASTE—20 tons, Binnendijk, Amsterdam
COTTONSEED MEAL—1,200 sx, Contessa, Havana
PULP—(Tripp) 57 tons, Liverpool; 46 tons, Manchester
GLUCOSE—20 bbls, Cefalu, Havana
FERTILIZER—10 sx, Cefalu, Panama
GASOLINE—75 dms, Cefalu, Puerto Cabezas
GREASE, LUBRICATING—6 dms, Contessa, Ceiba; 4 cs, Cefalu, Puerto Cabezas
INK—10 dms, Contessa, Havana; 5 dms, Cefalu, Havana
KEROSENE—65 cs, Contessa, Puerto Cabezas; 75 cs, Cefalu, Puerto Cabezas
LARD—(Contessa) 50 tins, Buenaventura; 342 dms, Havana; 6 tcs, Panama; 100 tins, Puerto Colombia; (Cefalu) 100 tins, Puerto Colombia; 12 crts, Puerto Cabezas
OIL, FUEL—325 bbls, Cefalu, Puerto Cabezas
LINSEED—16 cs, Cefalu, Ceiba
LUBRICATING—6 tons, Binnendijk, Rotterdam; (Tripp), 24 tons, Liverpool; 32 tons, Manchester; 30 dms, Contessa, Puerto Cabezas; (Cefalu) 57 dms, 7 cs, Puerto Cabezas; 8 dms, 1 bbl, 4 cs, Ceiba
PINE—14 tons, Tripp, Manchester
PAINT—3 tons, Contessa, Panama City; 2 tons, Cefalu, Amapala
PARAFFIN—10 tons, Binnendijk, Antwerp; 31 tons, Tripp, Manchester; 200 sx, Cefalu, Tumaco
CRUDE—81 tons, Tripp, Manchester
ROSIN, WOOD—50 dms, Cefalu, Valparaiso
SALT—(Cefalu) 7 tons, Puerto Cabezas; 1 ton, Havana; (Contessa) 30 tons, Havana; 2 tons, Puerto Cabezas; 1 ton, Ceiba
SKULLCAP—2 tons, Tripp, Manchester
SOAP—8 tons, Contessa, Puerto Cabezas
SODA, CAUSTIC—65 dms, Contessa, Havana
NITRATE—20 sx, Cefalu, Ceiba
STARCH, CORN—28 tons, Binnendijk, Antwerp
POWDERED—83 tons, Binnendijk, London
TOLUOL—832 tons, Woensdrecht, Antwerp
TURPENTINE—100 cs, 10 dms, Contessa, Valparaiso; 20 cs, Cefalu, Paita

Norfolk Exports

Clearance Dates

City of Newport News, December 18; Manchester Brigade, December 10

BIRCH BARK—1 bg, City of Newsport News, London
BONE SCRAP—2,130 bgs, 137,300 lbs, City of Newport News, London
CARBON TETRACHLORIDE—55 dms, 39,805 lbs, City of Newport News, London
CLAY—600 bgs, 50,600 lbs, City of Newport News, Hamburg
CRAMP BARK—1 bg, City of Newport News, London
DEER TONGUE LEAVES—19 bls, 8,889 lbs, City of Newport News, Bremen
MEDICINAL PREPS—5 pkgs, City of Newport News, London; 10 pkgs, Manchester Brigade, Liverpool
MICA—250 bgs, 25,000 lbs, City of Newport News, Hamburg
PULVERIZED—70 bgs, 7,070 lbs, City of Newport News, Hamburg
PINETAR—14 dms, 7,343 lbs, City of Newport News, Hamburg
POTASH, MURIATE—200 bgs, 44,800 lbs, Manchester Brigade, Manchester
TANNING EXTRACT, LIQ—40 bbls, 24,110 lbs, City of Newport News, London; 800 bbls, 486,645 lbs, Manchester Brigade, Liverpool

Port Arthur Exports

Clearance Dates

Alabama, December 15; Chancellor, December 5; Europe, December 6; Frontenac, December 3; Langanger, December 8; Oregon, December 4; Orkanger, December 3; Solsten, November 29; Tennessee, December 9

ASPHALT—(Chancellor) 350 dms, Liverpool; 1,556 dms, 2,149 bbls, 347 cans, Manchester; (Europe) 27 bbls, 10 dms, 3 cs, Gothenburg; 10 dms, 15 cs, 122 bbls, Malmo; (Langanger) 500 bbls, 560 dms, 13 cs, Antwerp; 20 dms, Amsterdam
PETROLEUM—3 dms, Tennessee, Oslo
SLACK—178 dms, 187 bbls, Tennessee, Malmo
CLEANING SOLVENT—15 dms, Tennessee, Gothenburg
DRESSING, WAX, LIQ—3 dms, Tennessee, Gothenburg
GASOLINE—67,876 bbls, Solsten, Copenhagen; (Orkanger) 2 cs, 43,644 bbls, Thameshaven; 37,432 bbls, Liverpool; (Europe) 79,905 bbls, Gothenburg-Malmo; (Langanger) 57,080 bbls, Antwerp; 41,231 bbls, Amsterdam
GREASE, LUBRICATING—209 dms, 84 ctns, 65 cs, Chancellor, Manchester; 2 dms, Langanger, Amsterdam; (Tennessee) 235 dms, 174 cs, Malmo; 60 dms, 10 cs, Stockholm; 45 dms, 62 cs, Oslo; 160 dms, 128 cs, 25 pls, Gothenburg
KEROSENE—8,205 bbls, Orkanger, Thameshaven; 50 dms, Chancellor, Manchester; (Europe) 8,108 bbls, Gothenburg-Malmo; 14,986 bbls, Langanger, Amsterdam
OIL, DIESEL—4,278 bbls, Orkanger, Liverpool; 11,227 bbls, Europe, Gothenburg-Malmo; (Langanger) 1,527 bbls, Antwerp; 1,116 bbls, Amsterdam
FUEL—37,966 bbls, Oregon, Antwerp; 19,515 bbls, Alabama, San Juan
LUBRICATING—541 dms, Oregon, Antwerp; 18 dms, Chancellor, Manchester; (Europe) 231 dms, Gothenburg; 54 dms, Malmo; (Tennessee) 901 dms, 571 cs, Malmo; 30 bbls, 24 dms, Oslo; 647 dms, Gothenburg
PARAFFIN—1,040 bgs, Oregon, Antwerp
PETROLEUM, CRUDE—81,787 bbls, Frontenac, Bordeaux
POLISH, AUTO—7 cs, Tennessee, Gothenburg
WAX, REFD—1 cs, Tennessee, Malmo

Philadelphia Exports

Clearance Dates

Argosy, December 21; Boston City, December 18; City of Khios, December 16; Clan Graham, December 21; Exchange, December 21; Exminster, December 21; Heimgar, December 22; Independence Hall, December 19; Ingrid, December 19; Lages, December 17; Maidan, December 19; Malaren, December 19; Minister Wedel, December 17; Silverwalnut, December 14; Spidoleine, December 19; Tungsha, December 26

ALUMINA, SULPHATE—4,500 bgs, Silverwalnut, Shanghai
ANTI KNOCK COMP—501 dms, Maidan, England; 12 cans, Independence Hall, Havre; 20 dms, Heimgar, Rio de Janeiro; 24 dms, Exchange, Marseilles
ASPHALT, PETROLEUM—1 bg, Maidan, England
BLACK, BONE—14 bgs, Argosy, Gothenburg
LAMP—10 cs, Heimgar, Buenos Aires
BUTYL ACETATE—17 dms, Lages, Santos
CEMENT, GASKET—6 cs, City of Khios, Calcutta
REFRACTORY—20 dms, Maidan, England
CHEMICALS—10 cs, Malaren, Stockholm
CHROME ORE—10 dms, Maidan, England
CLEANING COMP—5 bbls, Boston City, Swansea
DYEWOOD EXTRACT—5 cs, Independence Hall, Havre
GASOLINE—(Minister Wedel) 28,571 bbls, Capetown; 8,572 bbls, East London; 37,061 bbls, Durban; (Lages) 11,000 cs, Rio Grande do Sul; 3,000 cs, Sao Francisco do Sul; 5,500 cs, Paranagua; 1,000 cs, 99 dms, Heimgar, Asuncion
GRAPHITE—13 bbls, City of Khios, Calcutta
GREASE, LUBRICATING—(City of Khios) 3 dms, Calcutta; 4 dms, Bombay; (Lages) 10 buckets, 20 cs, Rio de Janeiro; 10 dms, 45 cs, 20 bbls, 25 buckets, Santos; 10 dms, 45 buckets, 5 bbls, 20 cs, Paranagua; 1 bx, 2 dms, Malaren, Stockholm; 15 dms, Exminster, Piraeus; 42 dms, Argosy, Gothenburg
LICORICE, PASTE—20 cs, Boston City, Bristol; 30 cs, Malaren, Norrkoping
WASTE—40 dms, Maidan, England
LINSEED, CAKE—1,165 bgs, Independence Hall, Havre
MEAL—(Ingrid) 200 bgs, British Guiana; 1,360 bgs, Trinidad; 6,150 bgs, Barbados
MEDICINAL PREPS—(City of Khios) 15 bxs, Karachi; 6 bxs, Colombo; 14 bxs, Madras; 30 cs, Calcutta; 1 cs, Lages, Rio de Janeiro
MINERAL SPTS—700 cs, Lages, Rio de Janeiro
NAPHTHALENE FLAKE—51 bgs, Exminster, Istanbul
OIL, CODLIVER—100 dms, Tungsha, Oslo
COMPOUND—133 bbls, Independence Hall, Havre
ENGINE—50 dms, City of Khios, Calcutta; 129 dms, Maidan, England
FUEL—1,000 cs, Lages, Rio Grande do Sul
FURNACE—9,000 cs, Lages, Rio Grande do Sul
ILLUMINATING—(Minister Wedel) 3,476 bbls, Capetown; 3,737 bbls, Durban; (Lages) 6,500 cs, Rio Grande do Sul; 3,000 cs, Sao Francisco do Sul; 500 cs, Paranagua; 999 cs, 199 dms, Heimgar, Asuncion
LUBRICATING—(City of Khios) 23 dms, Pondicherry; 943 pkgs, Calcutta; 113 dms, Bagdad; 4,543 pkgs, 810 dms, Bombay; 1,359 pkgs, Madras; 4,266 pkgs, 100 dms, Karachi; 220 pkgs, Colombo; 50 pkgs,
LUBRICATING OIL (Continued):—
Basra; 25 dms, Khoramshener; (Boston City) 130 bbls, Bristol; 23 dms, 33 bbls, Cardiff; (Lages) 30 dms, 120 cs, 180 crtns, Rio de Janeiro; 50 dms, 185 cs, 80 crtns, 5 bbls, Rio Grande do Sul; 415 cs, 100 crtns, Santos; 24 dms, 30 cs, 50 crtns, Paranagua; (Malaren) 1,094 pkgs, Gothenburg; 30 bbls, 223 pkgs, Malmo; 10 bbls, 117 pkgs, Helsinki; 86 pkgs, Norrkoping; 192 dms, 41 cs, 1 bx, 981 pkgs, Stockholm; 84 pkgs, Helsingborg; 63 pkgs, Sundsvall; 1 cs, 40 dms, 221 bbls, 51 pkgs, Maidan, England; (Exminster) 456 pkgs, 753 tons, Istanbul; 95 pkgs, Salonica; 10 dms, Piraeus; 3 pkgs, Burgas; (Clan Graham) 885 pkgs, Port Elizabeth; 2,841 pkgs, Durban; 612 pkgs, East London; 1,050 pkgs, Capetown; 4,050 pkgs, Lourenco Marques; 915 pkgs, Beira; (Argosy) 1 bx, 50 bbls, 50 dms, 20 cs, Gothenburg; 56 bbls, 10 pkgs, Gdynia; 10 dms, Stockholm; (Independence Hall) 60 bbls, Havre; 355 bbls, Bordeaux; (Heimgar) 95 pkgs, Buenos Aires; 1,415 pkgs, Montevideo; 95 bbls, Rio de Janeiro; 125 pkgs, Florianopolis; 70 pkgs, Aracaju; (Spidoleine) 787,695 gls, London; 1,076,451 gls, Antwerp; 311,899 gls, Rotterdam; (Exchange) 5,336 bbls, Vado; 25 bbls, 5 dms, Marseilles
MINERAL—42 cs, Independence Hall, Havre
NEATSFOOT—7 bbls, Maidan, England; 6 bbls, Exchange, Marseilles
TRANSFORMER—20 cs, Lages, Santos; 20 bbls, Maidan, England
PAINT—2 bxs, Malaren, Stockholm
PARAFFIN—42 bbls, City of Khios, Calcutta; 102 bgs, 252 bbls, Boston City, Bristol; 2 bxs, Maidan, England; 210 bbls, Exchange, Genoa
POLISH, AUTO—3 cs, City of Khios, Calcutta
RESIN, COALTAR—53 pkgs, Maidan, England
RUBBER SOL—1 bbl, 20 dms, Malaren, Gothenburg
SAND, FILTER—1,000 bgs, Maidan, England
SOAP, LAUNDRY—300 bxs, Boston City, Bristol; 600 bxs, Maidan, England
SODA ASH—13 dms, Malaren, Stockholm

Savannah Exports

Clearance Dates

Flour Spar, December 16; Niel Maersk, December 21

CLAY—(Flour Spar) 113 tons, Liverpool-Manchester; 27 tons, Birmingham
COTTON LINTERS—(Flour Spar) 65 bbls, Manchester; 372 bbls, Niel Maersk, Kobe
DIPENTINE—4 dms, Niel Maersk, Shanghai
OIL, PINE—80 dms, Niel Maersk, Yokohama
ROSIN, GUM—(Flour Spar) 1,509 bbls, Hamburg; 2,003 bbls, Liverpool; 1,025 bbls, Manchester; (Niel Maersk) 614 bbls, Yokohama; 638 bbls, Osaka; 50 bbls, Shanghai; WOOD—(Niel Maersk) 100 dms, Osaka; 200 dms, Shanghai
TURPENTINE, GUM—100 cs, Niel Maersk, Yokohama; (Flour Spar) 75 cs, Liverpool; 100 bbls, Manchester
WOOD—(Niel Maersk) 200 dms, Manila; 24 cs, 200 dms, Manila

Tampa Exports

Clearance Dates

Angrer, December 18; Cuba, December 12; Schwanheim, December 15

GASOLINE—10 dms, Angrer, Belize
LARD—10 trcs, Cuba, Havana
PHOSPHATE—4,000 tons, Schwanheim, Antwerp

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—61,117 bbls, Lebec, Seattle, 10,790 bbls, S & C No 2, San Diego; 75,122 bbls; Deroche, Martinez; 71,476 bbls, Los Angeles, Oleum; 3,335 bbls, S & C No 41, San Diego; 56,127 bbls, Arizona, Portland
OIL, DIESEL—14,630 bbls, Lebec, Seattle; 13,500 bbls, Tejon, Seattle; 632 bbls, S & C No 41, San Diego; 8,347 bbls, Mericos H Whittier, Portland
FLUSHING—2,485 bbls, Emidio, Davenport
FUEL—2,880 bbls, Lebec, Seattle; 49,249 bbls, Topila, San Francisco; 64,193 bbls, Emidio, Davenport; 66,421 bbls, La Brea, Portland; 54,053 bbls, Tejon, Seattle; 50,562 bbls, Cuyama, San Diego; 56,836 bbls, Mericos H Whittier, Portland

New Orleans Coast Trade

PEPPER, BLACK—675 bgs, Clara, Houston

Cargo Ship Arrivals

December 26 to January 6

New York

Aakre	Marseilles*	Jan 1
Agwistar	Tampico*	Jan 5
Alberta	Trieste*	Dec 29
American Farmer	London	Jan 3
American Merchant	London*	Dec 29
American Shipper	Liverpool*	Dec 30
Ancon	Cristobal*	Jan 4
Asosan	Singapore*	Dec 28
Black Heron	Rotterdam	Jan 6
Black Tern	Rotterdam	Dec 31
Borinquen	Trujillo*	Jan 4
Brattdal	Lisbon	Dec 28
Buenaventura	Port au Prince*	Dec 28
Cairnmona	Antwerp	Dec 28
Calamares	Santa Marta*	Dec 31
Cape Sable	Bahia*	Jan 4
Caracas	Curacao*	Jan 1
Cauto	Vera Cruz*	Dec 30
Chimu	Pisco*	Jan 6
City of Glasgow	Calcutta*	Dec 30
City of New York	Mombasa*	Jan 2
Coamo	Trujillo*	Dec 28
Collamer	Bordeaux	Jan 5
Colombia	Cristobal*	Jan 4
Cypria	Marseilles*	Jan 5
Emile Francqui	Antwerp	Dec 28
Emilia	San Juan	Jan 4
Empress of Australia	Southampton	Jan 5
Everosa	Antwerp	Jan 6
Exermont	Genoa*	Jan 4
Exhibitor	Piraeus*	Dec 28
Express	Constanza*	Jan 6
Fernbank	Sundsvall*	Dec 31
Fjeld	Hamburg	Dec 30
Flora	Maracaibo*	Jan 4
Fort Amherst	St Pierre*	Dec 31
Franconia	Liverpool	Dec 31
Frida	Newport, Eng	Dec 29
Friedrich Engels	Leningrad*	Jan 5
Georgic	Havre*	Jan 6
Giulia	Trieste*	Jan 3
Granada	La Ceiba	Dec 31
Greystoke Castle	Moji*	Dec 28
Ilsenstein	Antwerp	Dec 31
Jean Jadot	Antwerp	Jan 5
Johanna Thorden	Kotka*	Dec 28
Katsuragi	Singapore*	Dec 29
Kota Gede	Batavia*	Jan 5
Maasdam	Rotterdam	Jan 3
Mangalore	Calcutta*	Jan 6
Maria	Fiume	Jan 5
Martinique	Aux Cayes*	Dec 31
Medea	Curacao*	Dec 28
Musa	Puerto Barrios*	Dec 31
Nanking	Stockholm*	Jan 3
Nerissa	Trinidad*	Dec 28
Nienburg	Buenos Aires*	Dec 31
Northern Prince	Buenos Aires*	Jan 6
Oriente	Havana	Dec 29
Orizaba	Vera Cruz*	Jan 3
Pastores	Cristobal*	Dec 28
Pennland	Antwerp*	Jan 5
Peten	Port Limon*	Jan 3
Ponce	San Juan	Dec 29
President Harrison	Manila*	Dec 29
Reliance	Hamburg	Jan 6
Republic	San Francisco*	Jan 6
San Jacinto	San Juan	Jan 5
Santa Inez	Valparaiso*	Jan 5
Santa Lucia	San Antonio*	Dec 29
Santa Paula	Ensenada*	Jan 5
Scanmail	Gothenburg*	Jan 2
Scanpenn	Trinidad*	Jan 5
Scanstates	Gothenburg*	Dec 31
Schodack	Havre	Jan 4
Seatrain Havana	New Orleans*	Jan 5
Seatrain New York	New Orleans*	Dec 29
Sheridan	Buenos Aires*	Dec 29
Shinko	Yokohama*	Jan 4
Siljestad	Manila*	Dec 31
Silverlarch	Batavia*	Dec 28
Silverteak	Batavia*	Jan 6
Skagerak	Kobe*	Dec 30
Steel Age	Honolulu*	Jan 1
Stentor	Batavia*	Dec 30
Surrey	London	Dec 28
Tachira	Curacao*	Dec 31
Tacoma	Santos	Jan 5
Tai Ping	Yokohama*	Dec 31
Uruguayo	Buenos Aires*	Jan 6
Van Ressselaer	Curacao*	Jan 4
Villanger	Rotterdam	Dec 31
Washington	Hamburg*	Jan 6
Waukegan	Liverpool*	Jan 6
West Humhaw	Accra*	Dec 28
Western World	Buenos Aires*	Dec 30

* And other ports

Recent Charters

PETROLEUM—8,000 tons, S S Oiltrader, gas oil, Constanza, United Kingdom, Continent, 11s 6d; January
14,000 tons, S S Gretafield, crude oil, United States Gulf, Hamburg, 13s 4½d; January 1-15
12,000 tons, S S El Mirlo, dirty, Trinidad, Balboa, 17c per barrel; January
11,000 tons, S S Solheim, dirty, Bahrein, Japan, 16s 3d; February
11,500 tons, S S Inneroy, clean, United States Gulf, French Atlantic, 13s 3d; January
9,000 tons, S S Bianca, dirty, Cartagena, Caripito, Aruba, 2s 3d, one, two or three trips commencing January, followed by Aruba, Curacao, Cartagena, United States north of Hatteras, 5s 6d

(Continued on page 56)

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

WANTED: For representation in California, Oregon and Washington, manufacturers of turpentine, rosin, alcohol, soybean oil, linseed oil, paraffin wax, dry colors. Will be glad to hear from any manufacturers interested. BOX 815, Oil, Paint and Drug Reporter.

WELL ORGANIZED and successful sales company, of Cleveland, selling to the paint industry in Ohio, Kentucky and Indiana, solicits correspondence with producers of raw materials. It has in mind those producers who have wanted volume from, and efficient contact in, the territory mentioned, and who realize that a fundamentally sound sales program is again needed. BOX 844, Oil, Paint and Drug Reporter.

Equipment Offered

FROM the $10,000,000 Spreckels liquidation—Five No. 4 Vallez rotary filters; 1 Shriver filter press, 32-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 2,000 tons pipe valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; large assortment laboratory equipment and library; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant. Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

Equipment Offered

FOR SALE.—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 840, Oil, Paint and Drug Reporter.

FOR SALE.—Quantity of copper printing rolls, 5-inch diameter by 32-inch W-bore. BOX 841, Oil, Paint and Drug Reporter.

PEBBLE MILLS, rebuilt; Day 18-inch pot mill; 25-gallon autoclave; jacketed, agitated kettles and mixers; 300-gallon rubber-lined kettle; bucket elevators; Peebles spray dryer, good as new. Edw. W. Lawler, Inc., Durham avenue and L.V.R.R., Metuchen, N. J.

Equipment Wanted

WANTED.—Two filter presses; grinding machinery; dryer; and 3 Anderson oil expellers. BOX 831, Oil, Paint and Drug Reporter.

Manufacturing Offered

MODERN EQUIPPED chemical plant is open to produce high grade products in the general chemical field. Will manufacture specialties for salesman controlling trade in large quantities. New processes or products considered. Will finance. BOX 843, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

Plants Wanted

PLANT WANTED with good transportation facilities, already equipped for general chemical manufacture. Should include boiler, pumps, mixers, filter presses, pulverizers, storage tanks. Give full details in first letter. BOX 839, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED.—Experienced tablet maker and coater to take charge of department. Pharmacist preferred. State age, experience, when available and salary desired. BOX 825, Oil, Paint and Drug Reporter.

MALE CHEMIST wanted with practical experience in manufacturing of organic compounds such as benzaldehyde, benzoic acid, and similar products. State age, education and experience. Box 832, Oil, Paint and Drug Reporter.

WANTED an outstanding industrial salesman in New York, Detroit, Cleveland, Chicago now doing business above $100,000 per year. We are manufacturers centrally located successfully distributing dealer lines nationally and now considering the industrial field. BOX 845, Oil, Paint and Drug Reporter.

Positions Wanted

SALESMAN—Three years on commission in metropolitan territory wishes new line or position as junior salesman; owns car; 29 years old, married. BOX 838, Oil, Paint and Drug Reporter.

Positions Wanted

FINISHING MATERIALS chemist, thoroughly experienced in the development and manufacture of lacquers, paints, wood stains and specialties, now employed, will consider making a change; qualified as technical director or production superintendent, having had sixteen years of experience handling men and directing production. BOX 847, Oil, Paint and Drug Reporter.

WOODWORKING EXECUTIVE, 43, B.S. (chemistry) M.B.A. (Accounting) employed, experienced manufacture and finishing handles, novelties, shapings, turnings, particularly brush handles. Familiar formulation thinners, lacquers (nitro, acetate, and ethyl celluloses), wax and synthetic finishes and their application by tumbling, dipping and spraying. Desires connection development laboratory paint concern leading shortly to industrial sales. BOX 846, Oil, Paint and Drug Reporter.

Processes Wanted

COMMERCIAL PRODUCTION laboratory solicits new methods, processes and uses for yeast and its derivatives. Will finance and commercialize new things or ideas exclusively in this field. Will make specialties for salesmen with established trade. BOX 842, Oil, Paint and Drug Reporter.

Surplus Stocks

CHECK INVENTORIES—Cash for any quantity surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, waste and by-product. Entire plants bought. Chemical Service Corp., 101A East 19th street, New York. Stuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, including 4—50 gal. porcelain lined, 3—200 gal. silex lined, with roller bearings, and 1—500 gal. silex lined.
5—Colton Stokes & Mulford Tablet Machines, ⅛" to 2" dia.
10—175 gal. Copper and Aluminum Steam Jacketed Kettles.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
3—12x30 watercooled Roller Mills, one with roller bearings.
2—Day 12x32 w.c. chain drive Roller Mills.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
2—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
3—W. & P. Jack. Mixers, 200 gals., power tilting.
25—Filter Presses, 6" to 42" size.
1—J. P. Devine Double Drum Dryer, 4'x9'.

Miscellaneous: Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y. Phone: Barclay 7-0600

Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment

UNUSUAL OFFERINGS IN GOOD RECONDITIONED EQUIPMENT

REFINOIL OIL REFINING UNIT. A sure and tested machine designed to refine used crankcase and lubricating oils. Capacity 35 gallons per three hour period at a cost of 10c per gallon of refined oil recovered. A self-contained unit requiring only a 220 volt electric connection, ¾ in. water inlet and drainage to sewer or other means of disposal.

PRICED SPECIALLY at less than half cost of new price, for immediate sale.

DEODORIZING UNIT for vegetable oils; capacity about 250,000 lbs. per twenty-four hours; embodying latest features for the most ecenomical treatment of oil.

3—Albright-Nell Cooling or Lard Rolls, 4 ft. diameter and 9 ft. long; arranged for motor drive with variable speed motors.
1—Zaremba Double-effect Steel Evaporator with salt-filters.
1—Rogers Copper Vacuum Milk Pan—capacity 1,050 lbs. water per hour. Suitable for other liquids.

"There can be only One First" **Cable Address: EFFEMCY**

FIRST MACHINERY CORPORATION

419 Lafayette St., N. Y. **GRamercy 7-6622**

Recent Charters

(Continued from page 55)

9,500 tons, S S Belita, dirty, Bahrein, Colombo, 8s 6d; Suez, 11s 6d; option Bahrein, Durban at 15s 6d, two-three consecutive voyages, commencing April
8,000 tons, S S Stigstad, distillate, San Pedro, 15s 6d; San Francisco, 16s; San Pedro and San Francisco, Curacao, 16s 6d; December
14,000 tons, S S Regulus, dirty, Aruba or Curacao, United Kingdom, Continent, 11s, two trips; January
12,000 tons, S S Kollgrim or substitute, dirty, Bahrein, Trieste, 17s 6d, four consecutive voyages commencing February
10,290 tons, S S Scottish Castle, dirty, twelve months' time charter, 4s 6d, delivery and redelivery United Kingdom, Continent; January
9,000 tons, S S Belita, dirty, Bahrein, Colombo, 8s 6d; March
10,290 tons, S S Scottish Strath, dirty, twelve months' time charter at 4s 6d, delivery and redelivery United Kingdom, Continent; January
7,500 tons, S S Lincoln Ellsworth, dirty, California, Vancouver, 15c three-four consecutive voyages, option discharging Cristobal, 44c
3,000 tons, S S Mexico, dirty, Constanza, Beyrouth, 6s 9d; December 20-31
7,500 tons, S S Buesten, clean, Constanza, French Atlantic, 11s 6d; January
9,000 tons, S S Norfold, gas oil, Aruba, 13s; Gulf, Mediterranean, 15s; January
14,000 tons, S S Caledonia, distillate, California, Curacao, 14s 9d; January 5-15
8,000 tons, S S Superga, gas-lubricating oil, Batoum, French Atlantic; January
13,000 tons, S S Valverda, dirty, Aruba, Curacao, Trinidad, United Kingdom, Continent, 11s; option intermediate trips Aruba, Las Palmas, 7s 6d; December 25-January 10
13,000 tons, S S John Knudson, dirty, California, Shanghai, 14s 6d; extra Hongkong; March
9,500 tons, S S Cymbeline, dirty, Tampico, United Kingdom, Continent, 13s 3d; February
9,000 tons, S S Senator, clean, Aruba, United Kingdom, Continent, 11s; January
8,500 tons, S S Stelvio, clean, Black Sea, United Kingdom, Continent, 10s 6d; December
7,500 tons, S S Storsten, clean, Constanza, two ports French Atlantic, 12s; December 20-January 10
10,000 tons, S S Garonne, clean, Aruba, Curacao, United Kingdom, Continent, 11s; January 5-25
9,200 tons, S S Lucerna, clean, Aruba, Curacao, United Kingdom, Continent, 11s; January 15-31
9,500 tons, S S Polykarp, clean, Northern States, Rio, Santos, 12s 9d; January 20-February 10
13,500 tons, S S Marina, clean, Aruba, Curacao, United Kingdom, Continent, 10s 9d; January 31
7,500 tons, S S Elsa, clean, Aruba, 11s 3d; U S Gulf, Fedalah, 13s 3d; January 15-31
9,000 tons, S S Abu, clean, U S Gulf, Italy, 14s 6d; February

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administrations that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended December 23

Carobs, 25 cases; wormeaten.
Caraway seed, 100 bags; filthy.
Cassia oil, 20 drums; not U.S.P.
Chlorophy, technical, 5 kegs; restricted use.
Colocynth, 6 bales; not national formulary.
Coriander seed, 169 bags; filthy.
Eucalyptus oil, 6 drums; not U.S.P.
Fish liver oil, 117 drums; restricted use.
Medicinal preparation, 1 case; misbranded as to composition.
Medicinal preparation, 2 cases; false therapeutic claims.
Nutmegs, technical, 237 bags; restricted use.
Stramonium leaves, 36 bales; excess acid-insoluble ash.

Baltimore

Week Ended December 23

Chillies, 150 bags; filthy.

Boston

Week Ended December 23

Cocoa beans, 20,000 bags; damaged.

Buffalo

Week Ended December 23

Medicinal preparation, 2 cases; false therapeutic claims.

Philadelphia

Week Ended December 23

Codliver oil, poultry, 100 barrels; not labeled to show variation from U.S.P. standards; restricted use.
Medicinal preparation, 1 case; false therapeutic claims.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau and not to this publication. When writing give the number of the item:—

Cottonseed Oil:—Agency, Prague, Czechoslovakia (2214).
Drug Sundries:—Agency, Quebec, Canada (2230).
Fertilizers (nitrate and sulphate of ammonia):—Agency, Cairo, Egypt (2215).
Linseed Oil:—Agency, Prague, Czechoslovakia (2214).
Pharmaceuticals:—Agency, Quebec, Canada (2230).
Sulphate of Copper:—Purchase, Izmir, Turkey (2219).
Tallows:—Agency, Prague, Czechoslovakia (2214).

Baltimore Drug Bowlers

The Baltimore Drug Trade Bowling League finished the first half of the season's series in its last December game, with the Bromo-Seltzer quintet six games in the lead, and followed by the Armstrong Cork Company group and the McCormick & Co. team tied for second place. The standing of the teams follows:—

	Won.	Lost.	P.C.
Bromo-Seltzer Company	32	13	.711
Armstrong Cork Company	26	19	.578
McCormick & Co.	26	19	.578
Penn-Maryland Company	25	20	.556
Noxzema Chemical Company	19	26	.422
Loewy Drug Company	7	38	.156

Drug Advertising Control Is Proposed in Colombia

Through the influence of the National Federation of Physicians and Surgeons, a bill has been introduced in the lower house of the Colombian Congress which would prohibit the advertising of "pharmaceutical specialties or patent medicines recommended for the expulsion of intestinal parasites. curing of leprosy, tuberculosis, syphillis, cancer, venereal diseases, tropical fever, anemia, corpulence, and skin affections," in motion picture theatres, over the radio, by billboards, hand bills, or any other manner or form. Such published advertising would only be permitted in magazines of a scientific character intended for the medical profession, according to information received by the Department of Commerce from the assistant trade commissioner at Bogota.

Index to Advertisements

Advance Solvents & Chemical Corp..... 58
Alexander, Jerome..... 50
Ambassador, The..... —
American British Chemical Supplies, Inc. 29
American Can Co..... —
American Chemical Products Co..... —
American Chlorophyll, Inc..... 38
American Commercial Alcohol Corp... —
American Cyanamid & Chemical Corp. 14, 15
American Distilling Co..... —
American Flange & Mfg. Co..... —
American Fluoride & Chemical Corp.... —
American Potash & Chemical Corp..... —
American Seitz Filter Corp..... 38
Anaconda ..... —
Anderson-Prichard Oil Corp..... —
Ansbacher-Siegle ..... —
Apex Chemical Co., Inc..... —
Atlantic Mutual Insurance Co..... 53
Atlantic Refining Co..... —
Aue, F., Co..... 33
Austin Co..... —

Baker, J. T., Chemical Co..... —
Barber Co., Inc..... —
Barium Reduction Corp..... 1
Barrett Company..... 28, 49
Bemis Bro. Bag Co..... —
Benckiser, Joh. A..... —
Benzol Products Co..... 42
Binney & Smith Co..... 34
Boehme, Max H..... 43
Bradley, A. J., Mfg. Co..... 36
Brazil Wood Oil Corp..... —
Brode Corp., The..... 37
Bruecke, Albert H..... 33
Bureau of Chemistry..... 50
Bush, W. J., & Co., Inc..... 45

Calco Chemical Co., Inc..... —
California Fruit Growers Exchange.. 44, 58
Campbell, Harry T., Sons Co..... —
Carbide & Carbon Chemicals Corp..... —
Carey, The Phillip, Co..... —
Chemical Solvents, C.P., Inc..... 58
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 58
Cliffs-Dow Chemical Co..... 1
Colledge, E. W., Genl. Sales Agent..... 36
Colton, Arthur, Co..... 36
Columbia Alkali Corp..... 12
Commercial Solvents Corp..... —
Consolidated Products Co., Inc..... 56
Cooper, Chas., & Co..... 45

Darling & Co..... —
Deep Rock Oil Corp..... —
Diamond Alkali Co..... 27
Dodge & Olcott Co..... 45
Doggett, Stanley, Inc..... —
Dow Chemical Co..... —
Draper Mfg. Co..... —
Drury, A. C., & Co., Inc..... 46
Dunkel, Paul A., & Co., Inc..... —
Du Pont de Nemours, E. I., & Co..... 6

Eagle-Picher Lead Co..... 6
Eastman Kodak Co..... 36
Ehrmann-Strauss Co., Inc..... 42
Electro Bleaching Gas Co..... —
Emery Industries, Inc..... 37
Eureka Machine Co..... —

Falk & Company..... 38
Fezandie & Sperrle..... —
Filtrol Corp..... —
First Machinery Corp..... 56
Fluorine Products..... —
Frank-Vliet Co..... 43
Franks Chemical Products Co..... 33
Fritzsche Bros., Inc..... 46, 47

General Chemical Co..... —
General Dyestuff Corp..... 31
General Electric Co..... 22
General Plastics, Inc..... —
Givaudan-Delawanna, Inc..... —
Gogarty, H. A., Inc..... 52
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 50
Greeff, R. W., & Co., Inc..... 1
Gross, A., & Co..... 37
Gruman, J. B., Co..... 52
Gulf Oil Corp..... —
Gunn, Frank R., Co..... 50

Hammond, W. A..... —
Hammond Paint & Chemical Co..... 43
Harshaw Chemical Co..... 35
Heekin Can Co..... 47
Heyden Chemical Corp..... 41
Hochstadter Laboratories..... 50
Holt, C. J., & Co., Inc..... 50
Hopkins, J. L., & Co., Inc..... 43
Huber, F., Inc..... 43
Huisking, Chas. L., & Co., Inc..... 42
Hutchinson, D. W., & Co., Inc..... 45

Imperial Oil & Gas Products Corp..... —
Imperial Paper & Color Corp..... 35
Independent Mfg. Co..... 38
Innis, Speiden & Co..... —
International Pulp Co..... —
International Smelting & Refining Co.. —
Irvington Smelting & Refining Works.. 26

Jackson, L. N., & Co., Inc..... 38
Jones & Laughlin Steel Corp..... 29
Jungmann & Co., Inc..... —

Kapper, Frederick P., Co..... 31
Kentucky Color & Chemical Co..... 33
Kessler Chemical Corp..... —
Knight, B. H..... 50
Koppers Products Co..... 29
Koster Keunen..... 39
Krebs Pigment & Color Corp..... —

Laning, E. M., Co., Inc..... 50
LaWall & Harrisson..... 50
Lewis, John D., Inc..... —
Lueders, Geo., & Co..... —

Magnetic Pigment Co..... —
Magnus, Mabee & Reynard, Inc..... 45
Mallinckrodt Chemical Works..... —
Mathieson Alkali Works, Inc..... —
McCormick & Co., Inc..... 43
McNulty, Joseph A..... 33
Mechling Bros. Chemical Co..... —
Merck & Co..... —
Metasap Chemical Co..... —
Michel Export Co..... —
Miel, George A..... 50
Minnesota Specialty Co., Inc..... —
Monsanto Chemical Co..... 40
Murray & Nickell Mfg. Co..... 43
Mutual Chemical Co. of America..... 31

National Ammonia Co..... —
National Aniline & Chemical Co..... —
National Lead Co..... 2
National Milk Sugar Co., Inc..... 42
National Rosin Oil & Size Co..... —
Neuberg, William, Inc..... 41
Neville Co..... —
New Jersey Zinc Co..... —
New York Quinine & Chemical Works, Inc. ..... —
Niacet Chemicals Corp..... 31
Niagara Alkali Co..... —
Nichols Copper Co..... —
N. V. Potash Export My, Inc..... —

Oldbury Electro-Chemical Co..... 6
Orbis Products Corp..... —
Orthmann Laboratories, Inc..... 50
Osborn, C. J., Co..... 33

Pacific Coast Borax Co..... 1
Pacific Food & Drug Laboratories, Inc. 50
Pacific Vegetable Oil Corp..... —
Parsons, M. W..... 42
Pease Laboratories, Inc..... 50
Penick, S. B., & Co..... 42
Pennsylvania Coal Products Co..... 42
Pennsylvania Refining Co..... —
Pennsylvania Salt Mfg. Co..... 20
Pfaltz & Bauer, Inc..... 38
Pfizer, Chas., & Co., Inc..... 25
Potash Co. of America..... 50
Pressed Steel Tank Co..... 27A
Procter & Gamble..... 37, 41
Purdy, W. S., Co., Inc..... 50
Pure Calcium Products Co..... 1

Reilly Tar & Chemical Corp..... —
Roger, Harry..... 50
Rosenthal, H. H., Co., Inc..... 58
Ryland, H. C., Inc..... 45

Sadtler, Samuel P., & Sons, Inc..... 50
Schimmel & Co., Inc..... 42
Schofield-Donald Co., Inc..... 41
Schwabacher, S., & Co., Inc..... 41
Schwarz Laboratories, Inc..... 50
Seil, Putt & Rusby, Inc..... 50
Sharples Solvents Corp..... —
Sherka Chemical Co., Inc..... —
Sherwood Petroleum Co., Inc..... 47
Skelly Oil Co..... 57
Smith, Kline & French Laboratories... 6
Snell, Foster D., Inc..... 50
Solvay Sales Corp..... —
Sonneborn L., Sons, Inc..... 58
Southwark Mfg. Co..... —
St. Joseph Lead Co..... —
Staley, A. E., Mfg. Co..... 36
Standard Ultramarine Co..... 33
Stauffer Chemical Co..... 26
Stillwell & Gladding..... 50
Stroock & Wittenberg Corp..... —
Sundheimer, Henry, Inc..... 26

Taintor Trading Co..... —
Tamms Silica Co..... —
Tennessee Corp..... 26
Texas Gulf Sulphur Co., Inc..... 49
Thurston & Braidich..... 43
Titanium Pigment Corp..... —
Todd, A. M., Co..... —
Turner, Joseph, & Co..... 26

Ultramarine Co..... —
Union Carbide & Carbon Corp..... —
United Clay Mines Corp..... 36
U. S. Industrial Alcohol Co..... 9, 10
U. S. Industrial Chemical Co..... 9, 10
U. S. Phosphoric Products Corp..... 26
United States Potash Co., Inc..... —

Vanderbilt, R. T., Co., Inc..... 1
Victor Chemical Works..... 27A
Viking Distributing Co..... 36
Viking Pump Co..... 33
Vitab Products, Inc.....
Vol-U-Meter Co., Inc..... —
Vorce, L. D..... 50

Wackman Welded Ware Co.....
Wecoline Products, Inc..... 38
Werk, The M., Co..... 37
Wiley & Co., Inc..... 50
Will & Baumer Candle Co..... 39
Williams, C. K., & Co..... —
Wilson & Bennett Mfg. Co..... —
Wishnick-Tumpeer, Inc..... —
Witco Carbon Co..... 8
Woburn Degreasing Co. of N. J..... 37
Wolf, Jacques & Co..... —

SKELLYSOLVE

. . . ITS QUALITY STANDS OUT ALONE

1st in
DEPENDABILITY
UNIFORMITY

Rank Skelly first in these respects . . . in two ways.

1. *First* — several years ago — to experiment, invest in men and equipment to develop methods of making special fractions in co-operation with the paint, pharmaceutical, rubber and other industries. We were among the very first to produce these special naphthas. With our experience, it isn't surprising that today Skelly should be . . .

2. *First* in dependability, uniformity, quality. We are no longer surprised upon being congratulated on the quality of our V M & P naphthas, mineral spirits, lacquer diluents and other materials. The firms that changed to SKELLYSOLVE must have improved quality. Must have made real savings.

Why don't you, too, write, wire or call today.

Solvents Division
SKELLY OIL COMPANY
121 West Wacker Chicago, Illinois

SKELLY

PETROLEUM EXTENDERS
Textile Spirits Lactol Spirits Kemsolene

CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OILS AND PETROLATUMS

For Pharmaceutical, Cosmetic and Industrial Purposes

WHITE MINERAL OILS

KAYDOL U.S.P. HEAVY
ORZOL U.S.P. HEAVY
PURITAN U.S.P. HEAVY
ERVOL U.S.P. LIGHT
BLANDOL U.S.P. LIGHT
CARNATION
KLEAROL

PETROLATUMS U.S.P. "PROTOPET"
ALL TYPES AND GRADES

SPECIALTIES

SONO-JELL—Base for liquefying cleansing creams, pomades, ointments, etc.
TRI-OL —Base for soapless oil shampoos.
DEO-BASE —Deodorized base for insecticide sprays.

L. SONNEBORN SONS, INC.
New York 88 Lexington Avenue
Refiners of White Oils and Petrolatums
Refineries: Petrolia and Franklin, Pa.
Los Angeles 215 West 5th Street
Chicago 400 West Madison Street

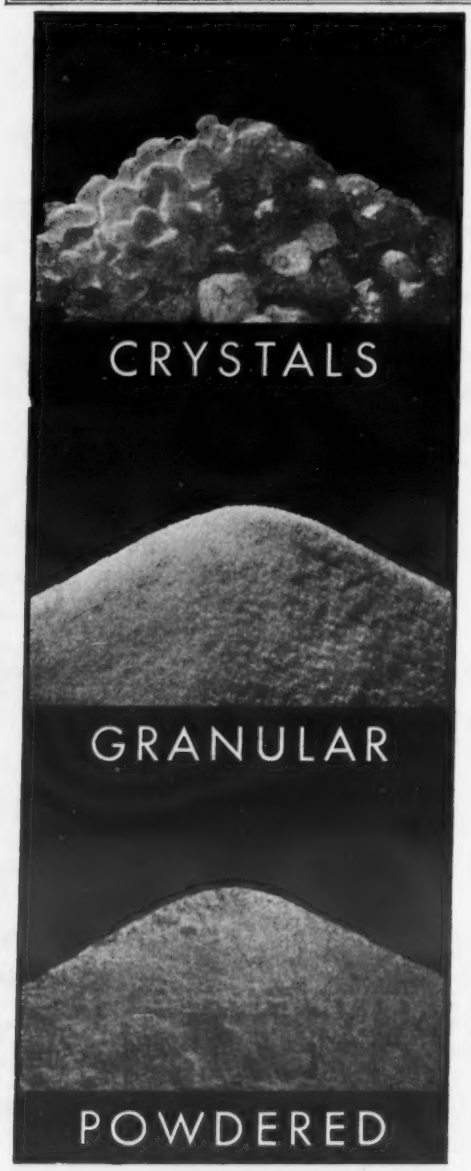
FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

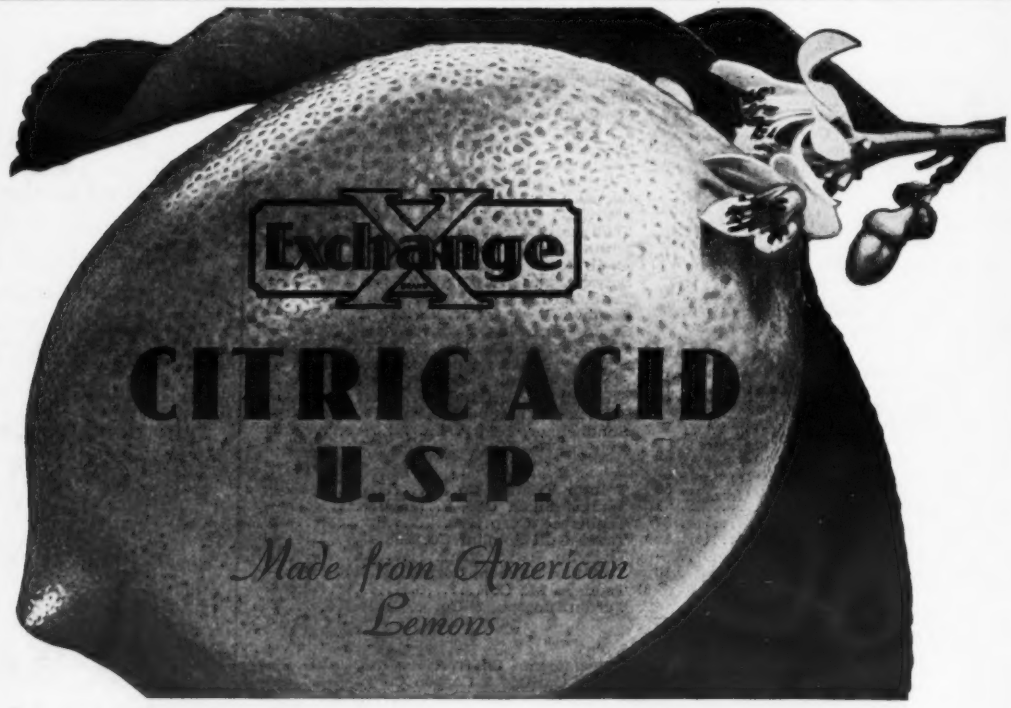
An American Contact
CHEMICALS DRUGS OILS WAXES
Our organization has broad purchasing and selling experience, expert knowledge of all products, enabling us to give foreign firms service facilities equivalent to their own American office.
Correspondence invited.
H. H. ROSENTHAL CO., Inc.
Cable Address "Rodrug" All Codes
25 East 26th Street, New York City

ADVANCE SOLVENTS
gives you assurance of
PURITY . . UNIFORMITY . .
DEPENDABILITY
In these essential products

SODIUM SULPHIDE 60-62%
CRYOLITE SYNTHETIC
PERCHLORETHYLENE
TRICHLORETHYLENE
DICHLORETHYLENE
METHYLENE CHLORIDE

ADVANCE SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE, NEW YORK, N. Y.





Exchange Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,200 citrus growers—largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Products Department
CALIFORNIA FRUIT GROWERS EXCHANGE
ONTARIO, CALIFORNIA
189 W. Madison Street, Chicago, Illinois 99 Hudson Street, New York, N. Y.

Copr., 1936, Products Dept., California Fruit Growers Exchange